



ISSUED EVERY WEDNESDAY

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XII,

NEW YORK, MARCH 28, 1923

No. 13

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DRUG & CHEMICAL MARKETS

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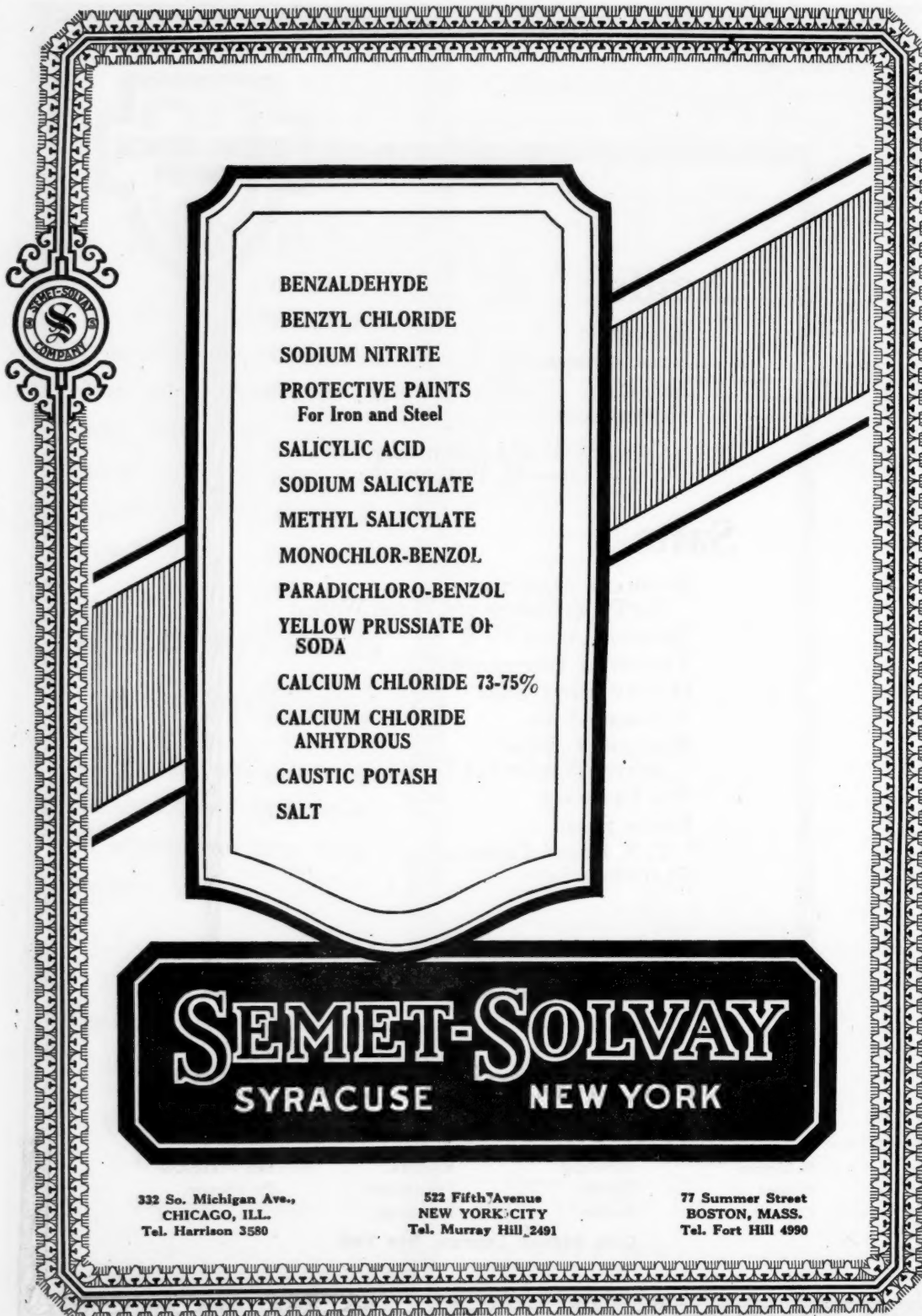
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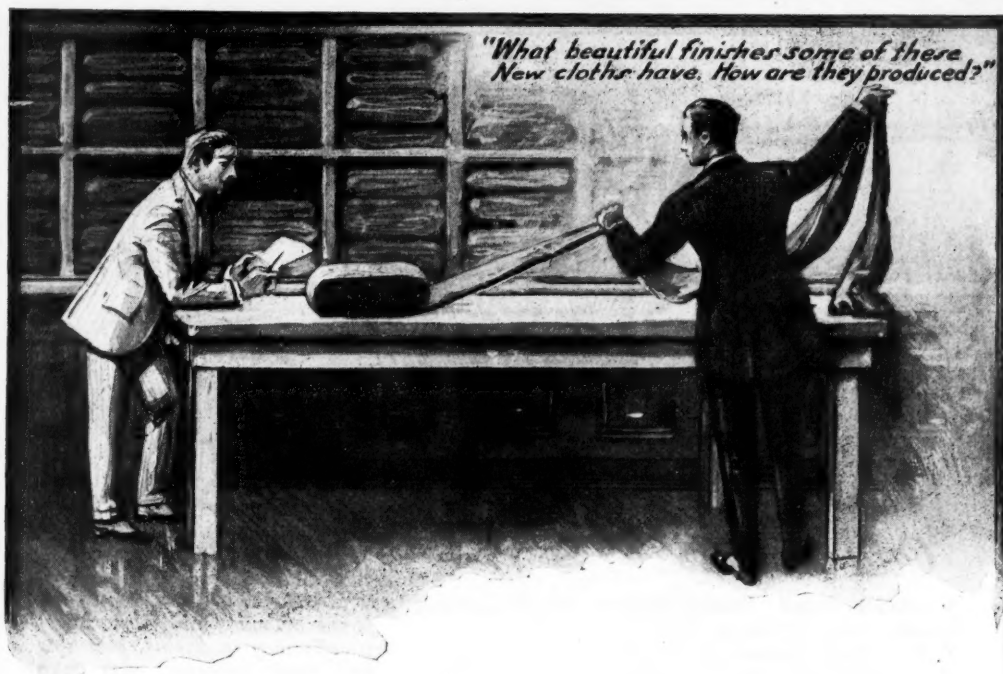
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DRUG & CHEMICAL MARKETS

3 PARK PLACE, NEW YORK

VOLUME XII, NUMBER 13

[MARCH 28, 1923]

OPPORTUNITY KNOCKS AGAIN

It is better to be born lucky than wise. That good old saying—if you do not quibble about a definition for "luck," nor question the meaning of "wisdom"—is an appropriate desk motto for American chemical exporters.

The fortunes of war presented us with a great export trade in chemical products. An irresponsible flock of speculators, who cared for nothing except the dollars they could slip into their own pockets and who were positively careless about how they picked up those dollars, reaped this war-given, golden harvest. If our manufacturers and legitimate dealers had paid half as much attention to this opportunity, we should have shipped much less sand, sugar, and salt; but American chemicals and dyes would be better known in the world's markets. Neglected by those who should have profited most and abused by those who did the profiteering it is little wonder that our foreign chemical business withered away when the war opportunity was removed. It left little but a bad smell.

Under all the rules of the game it ought to take our chemical industry about twenty years of hard labor to live down the bad name that was tied to it by our wild-cat exporters. Our real chemical makers and our honest chemical sellers were not wise in allowing their dishonest parasites to smirch their good name abroad; but they are fortunate that so soon another export opportunity is given them.

Mr. Finch of the Alkali Export Association is good authority for the good news that he finds South Americans have begun, during the past year, to recognize that clean chemicals of recognized standards can be bought from honest American firms. Even the anti-propaganda has overdone its work against us, and American chemicals are beginning to compete fairly on their own merits. We can ask no more, and it is good to know that the new South American sentiments are shared not only in the Orient, but also in Europe.

Inquiries from all over the world for all sorts of chemical products—for dyestuffs from China, for coal-tar medicinals from England, for alkalis from Argentina, for aromatics from Canada—which have come to us from foreign subscribers who are anxious to be put in touch with reputable American sources of supply are telling testimony of the export opportunity that the industrial and financial chaos of Europe give us today.

The bitter experience of 1920-21 has cleaned out most of the speculators. American chemical manufacturers may be certain, however, that unless they take good care of this new export demand they

will neglect an opportunity which the fly-by-nights will again grasp.

BUT WHAT OF 1924?

With few exceptions, bullish factors hold the upper hand in the chemical, drug, and allied markets of the world to-day. Where prices are moving, in the majority of products the movement is upward. The consensus of opinion indicates that higher prices are coming. The upward tendency carries few of the ear-marks of the post-war inflation of 1919 although some irresponsibles may try to benefit temporarily by forcing matters. The movement thus far has been a steady and gradual improvement in general business conditions. Resumption of plant operations has taken place to restock supplies of materials which have been permitted to dwindle to the vanishing point during the past three years. Until such time as stocks can be replenished and manufacturers caught up, and production costs lowered, higher prices in the products affected must be looked for. Among the non-manufactured crude materials, costs are rising on labor scarcity and consequent higher wages. Then again, sight must not be lost of the fact that to-day, generally speaking, business is good, financial pressure is absent, and producers can far better afford to be independent and less conciliatory than at any time since 1919.

Judging from observations over a broad area, business, as well as prices, looks upward over the balance of 1923. But, what of 1924? Already, the Government, the banks, and economists have sounded a warning note,—the danger of inflation. Authorities have expressed the opinion that the current business boom can very easily be turned into a topheavy structure unless caution and conservatism hold the reins. Good business is almost certain to attract outside speculators, those who have little in common with the American chemical industry,—irresponsible parasites who were really the cause of the 1920-21 debacle. Also, there is the ever present danger of the economic situation in Europe which is a potential high explosive at best.

Business can be kept healthy by avoiding the pitfalls of 1919. To force prices upward rapidly will be the surest way to smother the present boom. Buyers will pay higher prices where they appear justified and where their business, in turn, warrants them. Beyond that, buying will stop just as it did in 1920. To reap a big harvest in 1923 and then to lose it all in a reaction during 1924, is to gain nothing. Common sense mixed with price movements and market manipulation, plus an occasional look to the future, can be a big factor in keeping

business sound. The balance of 1923 will undoubtedly take care of itself on the momentum of the movement already well under way. But, what of 1924? Leading economists have already expressed grave doubts as to the ability of business to resist the subtle desire to over-reach in an active market.

RETURNABLE PACKAGES

Most of the inconveniences and annoyances of business life and a great part of the indirect costs and losses are the result of misunderstandings. Appreciation of this is behind the movements for standardization and simplification. Whatever will tend to make any business transaction more direct, more prompt, more simple is a step towards making business more pleasant and more profitable. These are laudable objectives.

Many misunderstandings have arisen between buyer and seller over the return of various chemical containers, and the subject has been given serious thought by the various associations of both producers and consumers of these goods. It is a complicated problem, bristling with angles of conflicting interest and snarled up by conflicting trade customs. But it is not an unsolvable problem, and the chances of it being solved are good, if attacked in the right way and seriously.

The Salesmen's Association is obviously a logical organization to tackle this job, since they, as individuals, furnish the point of contact between the seller and the buyer. They can afford to favor neither, and a problem of this sort needs strictest fairness. The personnel of the committee recently appointed to study returnable packages offers further promise of success for Chairman Sill and Vice-Chairman Tunison have associated with themselves men representing the various branches of the industry who are actively connected with leading firms. The work of the committee will surely be watched carefully and their findings waited with interest. Watchful waiting is not, however, all they deserve, for in their work they must survey existing practices and they will require co-operation in collecting this valuable data.

ADMINISTERING THE TARIFF FAIRLY

The confusion regarding the tariff is illustrated by the case of the importers who obtained a refund of excess charges, last week, by a decision of the Board of U. S. General Appraisers. The American selling price of the medicinal preparation included the amount of duty computed at the rate of 30 per cent ad valorem under the tariff act of 1913, which was in force when the goods were shipped from the other side. Meantime the McCumber-Fordney act became effective imposing duty at the rate of 60 per cent ad valorem and 7 cents per pound. The importers' representative in making entry and stating the market value of the product for dutiable purposes, based on the American selling price, erroneously deducted the amount of duty computed at the new rate of 60 per cent ad valorem and 7 cents per pound instead of the duty already included in the selling price,

which was 30 per cent ad valorem under the act of 1913.

The Appraiser discovered the mistake and advanced the entered value, and the Collector imposed penalties which made a considerable addition to the net tariff due. The Board of U. S. General Appraisers was convinced at the hearing on the protest that the entry of the merchandise at less value was without any intention to defraud, or conceal or misrepresent the facts, and found in favor of the importers. Situations similar to the one cited are bound to arise from time to time, and it is a satisfaction to know that the General Appraisers are ready to investigate such cases to learn the facts in order to give just decisions.

The value of national research work which will correlate the scientific and industrial investigations in the textile, paper, chemical and mining fields is demonstrated by the report of the committee of the National Research Council for 1922. Heretofore this work has been left to individuals or organizations specializing in one industry, or devoted to one financial purpose only, without relation to future public necessities. The development of national resources and the prevention of waste have demonstrated the vast possibilities of intelligent and well directed research work.

Chemical companies are taking great interest in the Paper Industries Exposition to be held in New York in April. A dozen or more leading manufacturers of products used in paper making have taken space for exhibits. Representatives of the companies will be at the booths to explain why their product is superior, etc. The exhibits will be educational as well as practical and convenient for buyers who attend.

Many Men: Many Minds

Many pretty good business men have been making what looks like Egyptian hieroglyphics all their lives without attracting unusual attention.—Shoe and Leather Reporter.

Winston Churchill says that the British Government is depending on limiting exports and artificially fixing the price of British-grown raw rubber in order to pay a good share of the American debt. The scheme was worked out and put into operation when Churchill was Colonial Minister.

The government has waged extensive campaigns with sulfur and carbon disulphide in efforts to kill off prairie dogs by suffocating them in their burrows; the process is expensive and cumbersome. The progressive western farmer, however, now knows that the exhaust gases from a running automobile will speedily poison a man in a closed garage. He applies the principle by slipping a piece of rubber hose over the Ford exhaust pipe; a funnel is slipped into the other end. Backing up to a dog burrow, he claps the funnel over it and runs his engine for a few minutes with a good rich mixture. When he leaves, the dog is dead and buried.—Wall Street Journal.

German Dyes as Viewed by Coal Expert

Textiles and Medicines Not the Most Important Factors in the Ruhr Occupation According to R. M. Bryan—Visit to Europe Impresses Him with Far-reaching Influence on World Politics of German Coal-tar Chemical Industry

The German chemical industry and its potentiality as a factor in future wars as seen from the viewpoint of an American coal expert who recently visited Germany and the Ruhr district, was the subject for an address by R. M. Bryan, Eastern manager of the "Black Diamond" before the Chicago Council of Foreign Relations on Mar. 17.

Is it not possible that as a result of the Ruhr invasion the end of the European troubles as we are wont to term them, will be speeded up? And also, as a result does there not exist the possibility that the power from which a new stage of the present unended war may be started, may be arrested? Are you aware that the nucleus of the world's fighting power today is contained in the chemical plants that dot the section on which the French army has almost daily, from January 10, tightened its cordon of steel? asked Mr. Bryan.

Does it not strike you as strange that the Versailles conference, when seeking to make Germany impotent so far as future wars are concerned, took from her her battleships; stripped from her her arms of every kind; directed the turning of the great Krupp munition works to manufacture of tools of peace; should have left her with her great chemical industry undisturbed? While this industry is suited to purposes of peace as well as war, yet it is so quickly possible to tune it for purposes of war that it forms at all times a menace to the peace for which I believe we all sincerely seek.

I do not want to imply that France has gone into the Ruhr to get her hands on this vital industry. I only want to kindle the idea that it is possible that France's acting may be the means of making another stage of the present war, or an entirely new war, practically impossible during our lifetime, and the lifetime of some of those who may be dear to us.

As you know, when we entered the war in 1917, and began to take over alien properties, it was found that the bulk of the chemical plants in this country were German controlled, and obeying orders of the Imperial government. When the war broke out in 1914, four billions of dollars of annual industry in this country, to say nothing of the drug needs of our physicians and hospitals, were at the will of the German emperor. Do you grasp this serious statement?

Here we were, priding ourselves upon being the most progressive nation on earth, so dependent upon the German chemical industry that the whim of one man could stop industries representing an outlay of \$4,000,000,000 of products per year, and keep from the hundreds of thousands of our sick, the drugs that were essential for their recovery.

Thus, in 1915, the Kaiser's agents in this country, due to the manner in which we had permitted them to come here and by every manner of means, throttle and bankrupt practically every one of our chemical industries, were in position to threaten us with the most dire consequences if we did not help them in their effort to remove the English blockade.

It is therefore of more than passing moment that today France stands in a position in the Ruhr to put her fingers on the machinery that gives Germany a

vast world monopoly of potential organic chemical munitions. These fed the armaments of the past with their deadly explosives, and with their poisonous gases. Disarmament, while these menaces continue to exist, and while Germany has their use undisputed and uncontrolled, becomes a mockery.

I, of course, anticipate that some of my critics will say that the clauses of the Treaty, 168 to 172, under Part 5, will forestall any trouble that these plants may be able to produce, but there are some of us who do not feel that these loosely worded clauses provide the protection that would enable one to rest without further assurance. And moreover, if I am not mistaken, the German government has already taken the position that so far as France is concerned, the Treaty no longer exists.

Do not misunderstand me to say that it is France's policy to destroy these plants while she continues her occupation. I wish merely to convey the thought that if France should find it feasible to hit upon some plan which would enable the Germans to continue unhampered their manufacture of the wares of peace, but which would prevent their manufacture of chemicals which might be used as the wares of war, then the entire world will owe France a debt. By such an act she would earn for herself the commendation that would naturally come to any person who deprives the maniac of his loaded pistol, or stops the mad dog that would inflict his mania upon those with whom he comes in contact.

I have spoken at length upon Germany's supremacy as a manufacturer of dyes, for it was this industry that made possible during the four years of active war the manufacture of eighty per cent. of her explosives and all of her poisonous gases. And the reference to the latter calls to mind that twenty-five per cent. of the casualties sustained by American soldiers on French soil came from the use of this hellish gas.

SAYS GERMANY HAS LARGE DYE STOCKS

Dr. Duisberg, of Leverkusen Works, Claims Market Demands can be met For Six Months

Dr. Carl Duisberg, director of the Leverkusen Dye Works, speaking of the proposed German loan of \$50,000,000 in treasury notes, said recently: "Individual industries will be able to participate only in so far as they have a surplus of foreign currencies on hand. Industry as a whole will however, do all possible to make the loan a success, and the result will be maintenance of the mark at its present rate of exchange."

"The chemical industry also has taken part in the price reduction movement, and has cut the prices of a number of its products especially such as exceeded the world market prices. We have sufficient stocks on hand to meet market demands for six months at least. The situation in the chemical industry at present is completely different in the various districts. As is known, Ludwigshafen already lies idle, and the other works have no great supplies of fuel. For the present they will not get new coal in sufficient quantities since they refuse to pay taxes demanded by the French. The workmen will continue to be employed at other labors in case production is brought to a standstill."

"The Badense aniline and soda factory faces this

condition, as well as the Oppau works. Hoechst already is working with heavy curtailments. In Elberfeld, the parental plant of the Leverkusen works, the circumstances are even more difficult.

"The works in Leverkusen itself, which lies in part in the English zone, are not so severely stricken by the Ruhr war, and favorable conditions still prevail. They have chiefly lignite coal obtained in the English zone itself. The dye industry is well supplied with stocks and in case of necessity, one source of supply could help another out and during the French boycott on exports, the workmen will be engaged in handling the stocks on hand and keeping the plants in operating order."

Cable advices this week say that the Ludswigshafen branch of the Badische Anilin und Soda Fabrik has been shut down, and other plants will be closed soon, owing to shortage of coal. Rumors are current that the members of the German cartel are considering the establishment of dye plants in the United States.

MADE CHEMICAL PRODUCTS 100 YEARS

Chemical, dye and paint firms which have been in continuous existence in Philadelphia for one hundred years or more were represented at a luncheon at the Bellevue-Stratford Hotel, Philadelphia on Thursday last. The oldest firm represented was the Francis Perot's Sons Malting Co., formed in 1687. Among the seventy-five firms represented were the following:

Firms and business	Founded
Wetherill & Brother, white lead.....	1762
John T. Lewis Co., white lead.....	1772
W. H. & F. Jordan, Jr., chemicals and oils....	1778
Harrison Brothers & Co., white lead.....	1793
Charles Enos Johnson & Co., inks	1804
George D. Wetherill & Co., white lead.....	1807
Smith & Furbush Machine Co., (now Proctor & Schwartz, Inc.)	1812
C. Schrack & Co., varnishes and colors.....	1815
Adam Pfromm & Co., wholesale drugs.....	1815
William Barnett & Sons, starch	1817
Powers-Weightman-Rosengarten Co., chemists	1818
George B. Feidt, drugs and chemicals.....	1819
Charles Lennig & Co., mfg. chemists	1819
Horrocks & Brother, dye works	1821

Minority creditors can henceforth prevent a petition in bankruptcy from going through at the instance of majority creditors. Henry L. Schaefer and Jacob J. Aronson, 55 Liberty st., New York, attorneys for the minority creditors in the bankruptcy proceedings instituted by Abe Sandberg, New York City milliners, succeeded in obtaining such a decision from Judge Learned Hand in their case, thus laying aside an old bankruptcy custom.

Germany threatens to monopolize the importation of tooth brushes as a result of the wording of the present tariff bill. Germany with cheap celluloid pays a duty of 45 per cent, as the bristles constitute the chief value. Japan with high celluloid costs, must pay 60 per cent duty, as the celluloid constitutes the chief value. The Tariff Commission have been asked to investigate.

The American Chemical Society has issued its annual booklet detailing the activities of that association in 1922. The secretary reports that the society's legislative activities covered work on alcohol regulation, the Chemical Warfare Service, the Fordney-McCumber tariff and the legalization of the metric system.

CHEMICAL EXPERTS TO INVESTIGATE COSTS

In carrying out the plan to investigate the cost of production of some seventeen products, the U. S. Tariff Commission will send representatives to Europe, Central and South America and to Canada. The chemical experts who will go abroad are C. R. DeLong, head of the Chemical Division of the commission and M. G. Donk. They plan to spend about a month in New York at the Custom House gathering information which will give a line on the foreign manufactures before they leave for Germany. The chemicals to be investigated in Germany include oxalic acid, barium dioxide, potassium chlorate and diethyl barbituric acid. They also expect to go to Switzerland in connection with diethyl barbituric acid and to Norway in an investigation of sodium nitrate. Accompanying the two chemical experts will be an accountant.

Investigations of two of the items in the chemical schedule will necessitate sending men to Central and South America. F. W. McSparren, who is attached to the chemical division, will go to Argentina, to investigate costs of casein. It developed today that the investigation of casein has been ordered at the request of paper manufacturers, who desire a lower duty on this commodity, which is used in coating paper. The dairy interests, which were responsible for obtaining a duty of 2½ cents per pound, thus taking the commodity from the free list, where it had been in former laws, will seek to prevent any decrease.

Logwood extract, another item in the chemical schedule, will be investigated in Haiti and San Domingo.

NEW HAVEN PREPARES FOR CHEMISTS

The dinner to the Councilors of the American Chemical Society at the meeting in New Haven during the first week in April will be given by the New Haven Chamber of Commerce. The privilege of attending is open to any member of the Society, not a Councilor. Dinner tickets are \$4. Reservations may be made and tickets issued through Professor Treat B. Johnson, chairman of the Executive Committee, New Haven.

The public address on Wednesday evening, April 4, will be given by Sir J. J. Thompson, F. R. S.

The Executive Committee in charge of the New Haven meeting assures all who attend the meeting that they can be comfortably accommodated in the matter of rooms. The New Haven Chamber of Commerce, the Young Men's Christian Association and Young Women's Christian Association have furnished the Executive Committee a very large list of private homes, which are open to members and guests. The Yale Dining Hall is able to serve meals to all. Dr. Ralph Langley, 84 McKinley ave., New Haven, has charge of rooms, and all requests for reservations should be made through him.

The Plunkett Chemical Co., of Chicago, has bought land at 35th and Morgan sts., 116x160 ft., improved with a four-story and basement building totaling about 60,000 sq. ft., for a consideration of \$100,000, and plans have been drawn for a new plant.

The U. S. Maize Products Export Association, Inc., 332 South LaSalle st., Chicago, recently organized, has filed papers with the Federal Trade Commission for the purpose of exporting corn, corn products and other grains.

The Agawam Chemical Works of North Attleboro, Mass., reports assets of \$59,930 and liabilities of \$40,636, for the year ending Dec. 31.

Trade Notes and Personals

L. J. Finnan has been elected chairman of the Committee on Chemicals of the Wilmington (Del.) National Association of Purchasing Agents.

E. A. Canalizo, who has had charge of the imports of G. Amsinck & Co., Inc., for about two years, has been elected a vice president of the company.

Sir Edward Allen Brotherton, of Brotherton Bros., British chemical manufacturers, sailed for England, on Saturday, March 24, on the White Star liner Celtic.

Dr. P. M. Gisey, of Ohio State University, has been elected a director of the Brooklyn research laboratories of E. R. Squibb and Sons, manufacturers of chemicals and medicinal products.

William Hamlin Childs, vice-president of the Allied Chemical and Dye Corp. attended the March meeting of the Members' Council of the Merchants Association held at the Hotel Astor.

The National Council of American Importers and Traders will hold its annual dinner at the Hotel Astor on April 10. The principal speakers will be Martin W. Littleton and Judge Martin T. Manton, of the Circuit Court of Appeals.

Thomas W. Miller, the Alien Property Custodian, will visit the Pacific coast for the purpose of making a personal inspection of the enemy-owned property, which came into the possession of the United States Government during the war.

Decision in the suit of the Allied Chemical and Dye Corp. and the By-Products Coke Co. to prevent the sale of the Steel and Tube Co. of America to a New York syndicate was reserved after arguments, last week before Chancellor Wolcott at Wilmington, Del.

An American corporation has obtained rights to exploit large asbestos deposits in the Ural Mountains, Russia, and has made an initial shipment to the United States. This is one of the first concessions that the Russian Government has made to outside interests.

Robert B. Bradley, vice-president of the Hans Hinrichs Corp., has sailed for Europe in connection with the company's borax exports. Mr. Bradley will investigate the shipping situation in the Ruhr district, in which some of the largest suppliers of the Hans Hinrichs Chemical Corp. are located.

An amendment to the commercial bribery law of Massachusetts was considered by the Legislative Committee on Rules, at the State House, Boston, on March 27. Members of the Commercial Standards Council, of which H. R. Heydon, New York, is president, attended. The amendment would grant full immunity to the person who, having participated in a commercial bribery transaction, is the first to report the facts to the state's attorney.

The U. S. Tariff Commission has completed its regulations for procedure under the flexible tariff section, by adopting rules by which 30 days' notice of hearings shall be given when a commodity is to be investigated upon application for a change in rates. No hearing has been ordered as yet. The list to be considered includes two chemicals affecting dye interests. It will require a minimum of three months for field investigations of these items.

REFUND OF EXCESS TARIFF CHARGES QUICKLY OBTAINED BY E. FOUGERA & CO.

Board of U. S. General Appraisers Holds, That There was no Intention to Deceive the Appraisers in Making Entry of Pyramidon on Basis of American Selling Price

E. Fougera & Co., New York importers, made a wrong entry which resulted in higher duties being assessed.

Application for refund was made under section 489 of the tariff act of 1922 on the ground that there was no intention to deceive the Government. This view is accepted by the Board of U. S. General Appraisers, in an opinion by Judge Fischer, and duty refund ordered.

"The merchandise," writes Judge Fischer, "which consisted of pyramidon, a medical preparation, was entered and appraised on the basis of the American selling price. The single item which accounts for the difference between the entered and appraised values arises out of the amount of duty deducted by the importers on entry and that allowed by the appraiser, since all other deductible charges claimed by the importers were duly allowed by the appraiser.

"The following are established by uncontradicted proof:

"1. The American selling price, determined as a basis for ascertaining the dutiable value of said merchandise, was \$4.50 per pound.

"2. Said price included the amount of duty computed at the rate of 30 per cent ad valorem under the tariff act of 1913, which act was effective on the date of shipment of the merchandise.

"3. Before the arrival of the goods in this country the present act of 1922 became effective imposing on said merchandise duty at the rate of 60 per cent ad valorem and 7 cents per pound.

"4. Due to the operation of the new law and the consequent change in the rate of duty applicable to the merchandise, the importers representative became somewhat confused and in making entry, and stating the market value of said merchandise for dutiable purposes based on the American selling price, he erroneously included among the items deductible from said basic selling price the amount of duty computed at the rate of 60 per cent ad valorem and 7 cents per pound instead of merely deducting the duty already included in the selling price, to wit, 30 per cent ad valorem, as provided in the act of 1913 effective on the date of shipment.

"5. The appraiser, in adding back the difference between the old and new rates of duty, to wit, 30 per cent ad valorem and 7 cents per pound, advanced the entered value, with the result that the collector imposed the additional duties, the remission of which is herein prayed for.

"We are satisfied from the evidence that the entry of the merchandise at a less value than that returned upon final appraisement was without any intention to defraud the revenue of the United States, or to conceal or misrepresent the facts of the case, or to deceive the appraiser as to the value of the merchandise, and we therefore find that the importers are entitled to the relief prayed for under said section 489."

J. Le Roy Drug, who recently discovered platinum in vein formation in Mexico, arrived at San Francisco the middle of March on his way back to the properties after purchasing mining equipment and supplies. The deposit is said to be rivaled by but one other in the world, that in the Ural mountains.

VALUE OF MEDICINALS AND PERFUMES MADE IN U. S. IN 1921 WAS \$330,134,000

Census Returns Show A Total Output in 1919 of \$386,369,000 Compared With \$167,372,000 in 1914—Industry Classified Under Druggists' Preparations, Patent Medicines and Perfumery

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 28.—The value of products of the establishments engaged primarily in the manufacture of druggists' preparations, patent medicines and compounds and perfumery and cosmetics amounted to \$330,134,000 in 1921, as compared with \$383,369,000 in 1919, and \$167,372,000 in 1914, according to the Census Bureau. Values of the 1921 output were:

Druggists' preparations, \$81,698,000, which was a decrease of 29 per cent from 1919 to 1921, but an increase of 70 per cent for the seven-year period 1914 to 1921;

Patent medicines and compounds, \$175,895,000, which was a decrease of 17 per cent from 1919 to 1921, but an increase of 72 per cent for the seven-year period 1914 to 1921;

Perfumery and cosmetics, \$72,541,000, which was an increase of 22 per cent from 1919 to 1921, and of 329 per cent for the seven-year period 1914 to 1921.

Detailed statistics of products for the years 1921, 1919 and 1914, are given in the following table:

	1921	1919	1914
Products, total value	\$342,173,000	\$418,221,150	\$176,747,080
Classified industries, all products—			
Druggists' preparations....	81,698,000	114,593,486	46,009,634
Patent medicines and compounds	175,895,000	212,162,255	102,463,374
Perfumery and cosmetics....	72,541,000	59,613,391	16,889,101
Subsidiary products of other industries	12,039,000	31,852,018	9,374,981
Alkaloids and derivatives.. ¹	\$5,005,900	\$15,416,028	\$16,231,503
Synthetic preparations	415,600	8,899,533	1,884,996
Biological products (serums, vaccines, toxins, etc.)..	10,856,900	15,876,358	6,223,475
Tinctures, fluid extracts, medicinal syrups, etc. not elsewhere specified	29,361,600	38,679,454	13,900,402
Pills, tablets, powders, etc., not elsewhere specified	30,305,300	37,803,903	10,903,056
Pharmaceutical metals and their salts (bromides, citrates, bismuth, etc.)	1,897,900	420,982	732,307
Patent and proprietary medicines—			
For sale to the general public—			
Containing narcotic drugs ²	403,600	132,978,871	83,485,261
Not containing said drugs	107,956,700		
Ethical specialties—			
Containing narcotic drugs ²	657,800	29,494,936	
Not containing said drugs	19,292,600		
Patent and proprietary compounds—			
Insecticides	12,364,100		
Disinfectants	4,648,200		
Antiseptics	4,073,400		
Boiler compounds	3,616,000		
Deodorants	2,166,700	46,351,234	16,514,352
Germicides	654,600		
Fire-exting. compounds	98,400		
Other, including compounds unclassified	16,967,300		
Perfumery, cosmetics, and toilet preparations	75,640,700	69,449,066	19,160,407
Flavoring essences and extracts	6,445,900	5,222,192	8,241,318
All other products	9,353,000	17,628,633	

¹ Principal alkaloids in order of value (1919)—caffeine, quinine, nicotine, morphine, strychnine, codein, cocaine, heroin.

² Includes (1919) coal-tar medicinals.

³ Containing opium, codein, heroin, morphine or cocaine.

⁴ Not including products of establishments primarily engaged in the manufacture of flavoring extracts; \$23,046,000 in 1921; \$30,116,932 in 1919; \$11,380,423 in 1914.

Financial Notes

The Atlas Powder Co. has elected directors as follows: W. J. Webster, J. F. Vanlear, W. A. Layfield, Leonard Richards and Leland Lyon.

The Pennsylvania Salt Manufacturing Co. has declared a quarterly dividend of 2½ per cent on the capital stock and an extra dividend of 1 per cent, both payable April 14 to stock of record March 31.

The Allied Chemical & Dye Corporation's Solvay Process Works and atmospheric nitrogen plant at Solvay have been operating at normal capacity since the latter part of 1922, according to a special wire to the "Wall Street Journal."

The Commercial Solvents Corporation has deferred action on the quarterly dividend of \$1 on Class A stock usually paid on April 1, owing to the cost of important plant improvements designed to prevent a recurrence of certain process difficulties.

The American Zinc, Lead and Smelting Company for the year 1922 reports profits, after interest, of \$443,237. Allowing for depreciation and depletion, there remained a surplus of \$21,900. In 1921 the company reported a deficit, after charges, of \$260,101.

The Union Carbide and Carbon Corp. reports net earnings of \$11,716,114 for 1922, after federal taxes, depreciation, interest and preferred dividends, equivalent to \$4.40 a share earned on the 2,659,733 shares of capital stock of no par value. Previous report covered nine months ended December 31, 1921, and showed net earnings of \$8,176,897, or \$3.07 a share.

The directors of the Corn Products Refining Co. have declared the regular quarterly dividend of \$1.50 a share on the common stock payable for the current quarter. Three months ago the board declared an extra dividend of \$3 a share in addition to the regular quarterly payment. The regular dividend of \$1.75 a share on the preferred stock has also been declared.

Among the judgments filed during the week were: Schieffelin & Co. against Benjamin Baum, for \$122.03; Trojan Powder Co. against General Graphite Products Corp., for \$415.00; City of New York against Atlantic Dyestuffs Corp., for \$726.69; the City of New York against the American Solidified Alcohol Products, Inc., for \$129.26; the City of New York against the American Alcohol Co., Inc., for \$2,858.29.

The income account of the Calumet & Hecla Mining Co. for 1922 shows a net loss of \$937,761, after taxes, depreciation and miscellaneous charges, compared with a net loss of \$1,491,260 for 1921. Receipts from copper sales were \$7,874,156 in 1922, against \$4,951,164 in 1921. Copper developed this year was valued at \$8,929,974, compared with \$5,208,896 in the previous year. The loss through reduction of market value this year was only \$67,767, contrasted with a loss of \$686,666 for 1921.

Warning that business in the United States must avoid the perils of over-confidence was voiced by George E. Roberts, vice president of the National City Bank, in an analysis of business recovery submitted to the second meeting of the International Chamber of Commerce in session at Rome. Mr. Roberts pointed out "that the country may be on the verge of a period of credit and price inflation" if over-enthusiasm among business men should cause excessive competition for labor and industrial material.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending March 24

	Bid	Asked		Bid	Asked
Air Reduction	68½	69	Hercules Powd., pf.103	106	
*Allied Chem. & D. 75½	76		Heyden Chem. 2¼	24	
*Allied Ch. & D., pf.110	111		Hooker Electro 53	65	
*Am. Ag. Ch. 32¾	33		Hooker Electro, pf. 60	70	
*Am. Ag. Ch., pf. 64½	65		*Int. Agricult. 8½	9½	
*Am. Chicle 74½	8		*Int. Agricult., pf. 35	37	
*Am. Chicle, pf. 24½	30		*Int. Nickel 14½	15	
*Am. Cot. Oil. 15¼	15½		*Int. Nickel, pf. 74	76	
*Am. Cot. Oil, pf. 29½	29½		*Int. Salt 78½	91	
*Am. Cyan. 15	20		*Mathieson Alk. 61	61	
*Am. Cyan., pf. 53	56		Merck & Co., pf. 87	90	
*Am. Druggist S. 6¼	6¼		Merrimac 83	88	
Am. Glue 82	85		Mulford Co. 35	40	
Am. Glue, pf. 124	126½		Mutual Co. 150	150	
*Am. Linseed 34½	35		*National Lead 131	132½	
*Am. Linseed, pf. 56½	57½		*National Lead, pf.112	112½	
*Am. Malt 12	13		N. J. Zinc 179	181	
*Am. Zinc 17	17½		Niang, A., pf. 96	100	
*Amer. Zinc, pf. 55	56		Parke, Davis & Co. 83	86	
Atlas Powder 152	155		Penn. Salt 85	86	
Atlas Powd., pf. 88	92		People's Gas, Chi. 91¾	92	
By. Prod. Co. 57	65		Procter & Gamble.124	128	
Carborundum 135	135½		Procter & Gam., pf.102	106	
Carborundum, pf. 115½	116		Royal Bak. Po. 130	136	
Casein Co. 30	45		Royal Bak. Po., pf. 99	100½	
Celluloid Co. 108¼	109		Sherwin-Williams .. 29	29½	
Celluloid Co., pf. 230	235		Sherwin-W., pf. 93	97	
Ches. Mfg. 114	114		Stand. Ch. 90	100	
Ches. Mfg., pf. 35	40		Swan & Finch 30	32	
Com'l Solv. A. 20	22½		*Tenn. C. & Chem. 12¼	12¼	
Do B. 130½	130½		*Tex. Gulf, Sul. 61½	61½	
*Corn Products 120	121		Union Carbide 64½	64½	
*Corn Products, pf.120	121		Union Sulphur 80½	81½	
*Davison Chem. 200	200		*Un. Drug 47¼	47¼	
Dow Chem. 103	103		*Un. Drug, 1st pf. 42	42	
Dow Ch., pf. 117½	117½		*Un. Dyewood, pf. 80	96	
Du Pont de Nem. 87½	87½		*Un. Dyewood, pf. 80	96	
*Du P't de Nem. Db. 87½	111¾		Un. Gas, Imp. 53¼	53¼	
Eastman Kodak 111¼	111¼		Un. Gas, Imp., pf. 56	57	
Eastman Kodak, pf.108½	108½		Un. S. Gypsum 73½	74	
*Freeport, Tex., Sul. 20	20½		*U. S. Indus. Al. 69½	70	
Freep. Tex. Sul., pf. 91	93		*U. S. Indus. Al., pf.100	102	
*Grasselli 132	132		*Va.-Car. Ch. 22½	22½	
*Grasselli, pf. 101¼	101¼		*Va.-Car. Ch., pf. 64½	64½	
Hercules Powder 108	112		*V. Vivaudou 22	22½	

*Listed on New York Stock Exchange

The recent accumulation of U. S. Industrial Alcohol stock has been based on the expectation that the 1922 report would show the company to be in a very strong financial position, with earnings equal to around \$5 a share on the common stock after very liberal charge offs, says the "Wall Street Journal." Alcohol is a product with great possibilities. Alco Gas now in use as a gasoline mixture is looked upon as the logical substitute for gasoline in case of a great scarcity of the latter product, at prices that would enable alcohol to compete with it. It is because of this that important petroleum interests are credited with holding a large amount of U. S. Industrial Alcohol stock.

The Callahan Zinc-Lead Co. reports for the year 1922 a total income of \$168,194, compared with \$10,118 in 1921. The company operated only six weeks last year. The final surplus was \$1,098,959, contrasted with \$504,044 in 1921. John Borg, president of the corporation, in his report to stockholders expressed conviction that the present high prices for zinc and lead would be maintained throughout 1923.

The Columbian Carbon Co. reports for 1922 net earnings after Federal taxes (estimated) of \$1,887,641, equivalent to \$5.65 on the 331,846 shares outstanding. Net after charges was \$3,160,366; after deduction for depreciation and depletion, \$2,127,041, and after estimated Federal taxes, \$1,887,641. Dividend payments totaled \$1,119,973, leaving a final surplus for the year of \$757,668. Several new factories are being built.

A syndicate headed by George H. Burr and the Chicago Trust Co. offered on March 20, \$1,000,000 Michigan Tanning and Extract Co. first mortgage 6½ per cent bonds, due March 1, 1938, at 96½, to yield about 6.87 per cent.

DEVORE & RAYNOLDS OFFER STOCK ISSUE

The Devore & Raynolds Co., New York, is offering preferred stock at \$98 per share and accrued dividend to yield 7.14 per cent. The capitalization is: 7 per cent. Cumulative First Preferred Stock (Par \$100) to be Authorized and Issued \$2,000,000 7 per cent. Cumulative Second Preferred Stock (Par \$100) Authorized \$1,000,000 Issued 935,500 Common Stock (Par \$100) Authorized and Issued \$4,000,000

The Company has no funded indebtedness.

The business was established in 1754, twenty-two years before the American Revolution.

The company owns and operates two factories in Brooklyn, one in Newark, N. J., and one in Chicago. After giving effect to the present financing the net current assets as of Dec. 31, 1922, were equal to \$231 per share and the fixed assets \$127 per share, or net Tangible Assets of \$358 per share of first preferred stock. For the eight years ended Dec. 31, 1922, the average net profits after depreciation and taxes, but before interest charges eliminated by the present financing were \$419,427 which is equal to three times the annual dividends on the \$2,000,000 first preferred stock. The net profits for 1922 calculated in the same manner were equal to 5.8 times the annual first preferred dividends. The business has shown a profit in each of the last thirty-three years.

The Diamond Match Co. reports net earnings of \$1,699,476 after charges and Federal taxes. This is equivalent to \$10.01 a share earned on the \$16,965,100 outstanding capital stock, as compared with \$1,671,409, or \$9.85 a share, in 1921. The gross earnings for the company in 1922 were \$4,732,787, as compared with \$4,603,498 in 1921, representing an increase of \$129,289. After deduction of the dividends totaling \$1,357,208, there remained a surplus for the year of \$342,268, as compared with the surplus of \$314,201 for 1921, and bringing the total surplus of the company up to \$3,712,350.

While the annual report of the Allied Chemical and Dye Corp. is promised for some time early in April, guesses in Wall Street are that the balance sheet will show earnings of about \$8 per share on the 2,143,455 shares of common stock outstanding. All of the subsidiaries including the Solvay Process and Semet-Solvay companies are said to have made an operating profit.

The Joseph Dixon Crucible Co. has declared a quarterly dividend of 2 per cent on the common stock, payable April 2 to stock of record March 23.

The American Cyanamid Co. has declared a quarterly dividend of 1½ per cent on preferred stock, payable April 2 to stock of record March 26.

New Incorporations

Turpo Chemical & Manufacturing Co., Wilmington, Del., \$250,000. Chemists.

Slendaform Laboratories, Manhattan, \$20,000. To make chemicals. H. Oppenheimer, W. G. Lovatt, H. C. Bannister; attorney, H. H. Hechiemer, 1540 Broadway, New York.

Suffix Chemical Co., Detroit, Mich., \$10,000. To manufacture chemicals and chemical by-products. George W. Stallings, A. F. and W. H. Knobloch, 3217 Clairmont ave., Detroit.

Magnesia-Lax Co., 31 Clinton st., Newark, N. J., \$125,000. Drugs, chemicals, etc.

Nature Laboratories, Wilmington, Del., \$2,000,000. Chemists and druggists. Corporation Service Co.

Hobart Mills Co., Concord, N. C., \$400,000. To weave ginghams. A. R. Howard, E. C. Barnhardt, W. B. Bruton

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 800

POTASH COMPOUNDS ADVANCED

Stocks Small and Demand Active—Shipment Prices
Advancing—Barium Compounds Firmer—Oxalic
Acid Higher—Copper Sulfate Slow

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced						
Acid, Oxalic, ¼c lb.				Potash, Caustic, ¼c lb.		
Barium Nitrate, ¼c lb.				Potassium Permanganate, 3c lb.		
Potassium Bichromate, ¼c lb.				Strontium Nitrate, ¼c lb.		
Declined						
Sodium Prussiate, ¼c lb.						
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial, 100 lbs.	\$12	\$12	\$12	\$12	\$19½	\$07
Sulfuric Acid, 66 deg., ton	14.00	14.00	14.00	16.00	55.00	20.00
Bleaching Powder,						
Works, 100 lbs.	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate, 100 lbs.	6.40	6.40	6.40	5.40	20.00	4.50
Potash Caustic, 100 lbs.	.08¼	.08¼	.08¼	.05¼	.37	.08
Saltpetre, cryst., 100 lbs.	.07	.07	.07	.07¼	.35½	.04½
Soda Ash, 58 p.c., 100 lbs.	1.90	1.80	1.80	1.70	3.50	.60
Caustic Soda, 76 p.c., 100 lbs.	3.55	3.55	3.55	3.60	9.50	1.42
Potassium Bichromate, 100 lbs.	.10	.10	.10	.10	.65	.06¼
Average	3.123	3.123	3.122	3.213	11.06	3.14

Buying was fairly active during the week but not up to the expectations of some sellers. The recent scarcity of potash compounds has made this market strong and nearly all potash products have advanced in price. The demand in the spot market is confined mainly to those items of which there is a lack of supply at present while other products are neglected. The basic chemicals such as caustic soda and sulfuric acid are moving steadily and in increasing volume. Most large consumers are being supplied on contract and the spot buying is more or less hand-to-mouth. Potassium permanganate is scarce, the manufacture of this product having stopped with the French occupation of the Ruhr. Stocks abroad are very small and prices have been going up steadily. Imported caustic potash has advanced again. Potassium bichromate is higher. Potassium carbonate is higher in some grades. Nitrates of barium and strontium have advanced. Makers are quoting higher prices for oxalic acid. Competition in sodium bichromate is keeping prices down in spite of increasing costs of production. Ammonium chloride is scarce and stronger.

Acid, Acetic—Demand was along the same steady lines which have characterized the market during the last few weeks. Makers continued to quote the schedule on the basis of \$3.17½ per 100lbs for 28 per cent to \$12.05 for the glacial.

Acid, Muriatic—Makers reported a steady demand and that they were kept busy filling increasing contract withdrawals, and were not willing to take on much new business. Prices held at 90c@\$1.00 for 18 degree in tanks; 20 degree was \$1.00@\$1.10. In carboys, 22 degree was named at \$1.75@\$2.00.

Acid, Oxalic—Demand continued steady with makers quoting higher prices at 12¾c@13c lb at works. Spot prices were named at 13½c lb. Imported was quiet at 13¾c@13½c lb with little offered.

Acid, Sulfuric—Increased demand has taken up all available stocks in manufacturers' hands and they are now having some difficulty in meeting the new business with the regular production. Prices were un-

changed, though some sellers looked for higher prices in the near future. Tanks of 66 degree were named at \$14@\$16 ton depending upon the seller, and 60 degree was at \$9@\$11. Some makers were sold out on Oleum, and others were naming higher prices. Prices are tending upward but \$17@\$18 per ton could still be done.

Acetone—Producers continued to quote 22c lb in carlots and 22½c lb in less than cars. Supplies were not large and the prices were firm.

Alums—Makers reported a steady consumption, though there was very little doing in the spot market. Prices were steady, with ammonia lump at \$3.50@\$3.65 at works; ground, \$3.65; powdered, \$3.90@\$4.00. Imported potash was 3¼c@3½c lb; chrome, 5¼c lb; soda, 3½c lb.

Ammonium Chloride—Supplies were somewhat limited and prices for the imported white were very firm at 6¼c@7c lb. The domestic white was 7¼c@8c lb. The gray was very scarce and in active demand. Importers were quoting 8c@9c lb; domestic was 8c@8½c lb.

Ammonium Sulfate—Makers had none to offer for prompt delivery and prices were mainly for future delivery. Bulk was named at 3¼c lb and for export at \$4.10@\$4.20 per 100lbs.

Barium Compounds—The carbonate was firm at \$72 @\$75 per ton and more active. The chloride was steady at \$90 on spot with shipment prices lower at \$85 ton. Nitrate was higher at 9c lb.

Arsenic—The market was quiet with demand more or less routine. Sellers continued to quote 15½c@16c lb.

Bleaching Powder—Some makers had very little to offer in a large way for prompt delivery and were sold up. Spot supplies were to be had in less than carlots at \$2.40@\$2.65; at works prices were held at \$2.15@\$2.25. Contract prices were maintained at \$1.90@\$2.00.

Copper Sulfate—Demand was along seasonal lines in the domestic trade with nothing exceptional taking place. Large shipments to South and Central America were made during the week. Domestic prices were firm at \$6.40@\$6.50 while imported was not very active at 5¼c@6c lb.

Glauber's Salts—Makers report a steady flow to consumers and that production is just about keeping pace with the demand. Technical was still quoted at \$1.25 in bbls for carlots. U.S.P. was named at \$1.40. Imported was around \$1.00@\$1.10.

Potash, Caustic—Spot prices were held at 8¼c lb for imported 88-92 per cent while shipment prices were named at 8½c lb. Domestic material was in good demand and held at 8¼c@8½c lb at works. Demand for imported was less active at the present prices.

Potassium Bichromate—Higher prices were in evidence and nothing under 11c could be located. Supplies were not large while the demand has been active recently. Higher costs of production have also made the market firmer.

Soda Ash—Demand has been exceptional and all makers are operating on a full scale production. Traffic conditions have improved and some of the consumers in the outlying districts are receiving supplies more promptly. Demand in the spot market is active. Prices

are unchanged with maker on the \$1.20 schedule for 48 per cent. Spot prices ranged from \$1.75@2.00 in bags.

Soda, Caustic—Export demand was more active at prices which were from \$3.35@3.55. Improved demand was noted from Japan and South American sources.

the domestic market demand was steady with makers holding to the price schedule of \$2.50, basis 60 per cent, at works. Ex-warehouse and dealers' prices were \$3.70 for less than carlots. In the market prices ranged from \$3.35@3.70.

POTASH OUTPUT DECLINES HEAVILY

Companies manufacturing potash and potassium compounds show a production aggregating in value \$4,900,900 in 1921, compared with \$18,407,253 in 1919, and \$7,905,744 in 1914, a decrease of 73 per cent from 1919 to 1921, and of 38 per cent for the seven-year period 1914 to 1921, according to the Census Bureau. The production of potash from original sources, as reported by manufacturing establishments, was 14,490 net tons, valued at \$648,700, in 1921, compared with 109,737 tons, valued at \$7,215,164, in 1919. The returns show a decrease in quantity of 87 per cent and in value of 91 per cent.

The purchaser of a business of a foreign corporation in this country, sold by the Alien Property Custodian, is entitled to all the benefits flowing from the goodwill of the business, and the original owner must not seek to resume the business or to interfere in any way with the rights acquired by the purchase, according to a decision by Judges Manton, Mayer and Hough, of the U. S. Circuit Court of Appeals. The case was that of the Koppel Industrial Car and Equipment Co.

The plants of the By-Products Coke Corp., Chicago, have been running practically full, and the demand for all products is increasing. Present monthly gross business is at the rate of approximately \$15,000,000 annually. The company recently sold its Illinois coal mines, purchased as a war measure, for \$2,800,000, making \$500,000 profit. President C. D. Caldwell says resumption of dividends in the near future may be expected.

The East St. Louis plant of the Aluminum Ore Co. of America, which has been working on a 4,000-ton order of aluminum ore for European shipment, has forwarded about half the order to Atlantic ports. Bauxite shipments last week were the largest since the war. The plant is now employing about 2,000 men, nearly as many as during the peak period of the war.

The prize contest for members of the classes in chemistry conducted under the auspices of the Salesmen's Association and the Philadelphia Chemical Club will not be closed until April 21. The extension of time is for the purpose of giving Philadelphia contestants more time to forward their articles to New York.

Work has been resumed at the Carnegie Steel Co.'s by-product coke plant at Farrell, Pa. More than 700 units are now in action in the Mahoning and Shenango valleys.

Exports of sulfuric acid during January are 956,328 pounds, \$16,762; copper sulfate, 377,922 pounds, \$20,899; and bleaching powder, 4,266,919 pounds, \$71,433.

The Trumbull Cliffs Furnace Co., Youngstown, O., is to build a 60-oven by-product coke plant costing \$3,000,000.

Shozo Miura has moved to larger quarters at 150 W. 26th st., New York. Telephone, Watkins 6627.

LESS SULFURIC ACID MADE IN 1921

Establishments manufacturing acids, both inorganic and organic, show a production aggregating in value \$57,916,900 in 1921, compared with \$86,194,195 in 1919, and \$32,837,254 in 1914, a decrease of 33 per cent as compared with 1919, but an increase of 76 per cent for the seven-year period 1914-1921, says the Census Bureau.

Sulfuric acid is the ranking acid, and the returns show a production, reduced to a basis of 50 degree acid, of 4,220,600 tons in 1921, reported by 226 establishments, compared with a production of 5,552,581 tons, the product of 216 establishments, in 1919 and 4,071,566 tons, reported by 194 establishments in 1914. About 2,584,600 tons, valued at \$26,954,100, was for sale in 1921; 3,331,362 tons, value \$35,932,605, in 1919; and 2,338,284 tons, value \$15,395,133, in 1914; the remainder of the production being consumed in the producing establishments in the manufacture of other chemicals and fertilizers. The figures show an average unit value of \$10.70 per net ton, 50 degree acid, in 1921, compared with \$11.36 in 1919, and \$6 in 1914.

INQUIRY INTO BASIC INDUSTRIES URGED

The Tariff Commission may take up soon for investigation and readjustment rates on several controversial schedules of the Fordney-McCumber tariff law, including the basic steel industries, plate and pressed glass, hosiery and knit goods and aluminum, owing to complaints made to the Commission and President Harding by the Fair Tariff League. Chairman Miles of the League criticised the Commission's decision to limit the investigation under the flexible provisions of the tariff to seventeen articles. He said in part:

"On your own motion or by the order of the President you can meet the obligations implied in Section 315 by ordering investigations vital to the public welfare covering the basic steel industries, plate and pressed glass, the aluminum trust, hosiery and knit goods, the file trust, the indicted cast iron pipe trust, the indicted window glass trust, the recently convicted sanitary ware trust, etc."

TO STUDY RETURNABLE PACKAGE PROBLEM

A Committee on Standardization of Trade Practices with Regard to Returnable Packages has been appointed by John W. Boyer, president of the Salesmen's Association of the American Chemical Industry, as follows: Chairman, Theodore Sill, of A. Klipstein & Co.; vice chairman, E. R. Tunison, U. S. Industrial Alcohol Co.; James Keating, of the General Chemical Co.; R. J. Quinn, of Mathieson Alkali Works, who will act as secretary of the committee; A. M. Hopper, Mallinckrodt Chemical Works; C. O. Lind, of Drug & Chemical Markets.

The duties of the committee will be to collect data, to survey the situation from the manufacturers' point of view, the needs of the consumer, and to make recommendations.

The production of acetate of lime and of wood alcohol declined slightly in January from the high mark set in December, according to figures received by the Department of Commerce through the Bureau of the Census in co-operation with the National Wood Chemical Association. Acetate of lime output amounted to 16,544,000 pounds, as against 16,814,000 pounds in December, and wood-alcohol production was 933,171 gallons as against 942,008 gallons in December. Consumption of wood, however, increased to 104,180 cords while stocks of wood at chemical plants declined to 833,767 cords, the lowest since November 1921.

The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 804

NAPHTHALENE PRICES MOVING UPWARD

Seasonal Demand Finds Supplies Scarce—Phenol Ready to Advance on Any Buying Movement—Intermediates Are Active and Prices Firm—Dianisidine Advanced 50c—Basic Colors Stronger

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Dianisidine, 50c lb. Para-aminophenol, 10c lb.
Naphthalene, flake, 1½c lb. Toluidine, mixed, 4c lb.
Xylidine, 6c lb.

Declined
Ortho-nitrophenol, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, C.P. gal.	\$.30	\$.30	\$.30	\$.29	\$ 1.10	\$.26
Naphthalene, flake lb.	.09½	.08	.07	.07½	.16	.08
Phenol lb.	.50	.50	.35	.12	1.50	.45
Xylene, 2-deg. gal.	.45	.45	.45	.45	..	..
Toluene, pure gal.	.30	.30	.30	.30	..	..
Aniline Oil lb.	.16	.16	.16	.15½	1.40	.10½
Benzaldehyde lb.	.60	.60	.60	.55	..	..
Betanaphthol, dist. lb.	.24	.24	.24	.28	1.80	.08
Paranitroaniline lb.	.74	.74	.74	.77	1.85	.18
Average	0.371	0.370	0.354	0.334	1.25	1.67

Activity in intermediates continued along the same lines which have characterized the market during the last few months. Demand is covering a broader field, and items which have been dormant for a long time are showing signs of life. Renewed and increased activity in the manufacture of dyestuffs is gradually bringing the market to a condition resembling the post-war activity. The situation is almost entirely in the manufacturers' hands at present, however, and prices are comparatively stable, changes taking place mainly from higher costs of production and the operation of the law of supply and demand rather than from speculative operations. Recent export demand has had a strengthening effect upon the market. A shortage of supplies has developed in a number of intermediates during the past month. Crudes have been scarce for some time. Alpha-naphthylamine is growing scarce. H-acid is sold up. Dimethyl aniline is strong. Dianisidine is higher. Toluidines have advanced. Xylidine is up.

With the exception of benzol, there is a scarcity in the entire list of coal tar crudes. The phenol shortage is acute and any buying movement is expected to send prices up sharply. Naphthalene has become scarce and prices were at higher levels. Toluol and xylol were practically unobtainable.

Coal Tar Crudes

Benzene—Stocks are in fairly good shape but the daily turnover is sufficient to keep stocks from accumulating. With the approach of warmer weather demand is expected to increase. Producers continued to quote 90 per cent at 27c@32c per gallon depending upon the quantity. C. P. was held at 30c@35c. In the resale market prices were from 33c@35c for the 90 per cent and 36c@37c for the C. P.

Cresylic Acid—Demand is active but scarcity of supplies and high prices are restricting business. Domestic production is well sold up and little relief is expected from this source. Some imported pale 97 per cent is offered at \$1.30 per gallon while the range was named at \$1.30@1.35 as to seller and quantity.

Naphthalene—Manufacturers are in a sold-up condition on contracts and in some cases are having difficulty in making deliveries. In the resale market there was a shortage of supply and the demand was active. Buyers found sellers asking 9½c lb for flake in carlots. Balls were 1c lb higher. Crude was higher at 3½c@3¾c lb.

Phenol—The situation was considerably tighter in so far as supplies were concerned, while prices were about the same as the week previous, from 48c@50c lb depending upon the seller and quantity. Domestic production is sold far in advance. The amount available on the market is known within fairly close figures, and any buying movement is expected to cause another advance in price.

Toluene—Stocks were very scarce for prompt delivery and also for future delivery. Producers were still quoting 30c@35c per gallon as to quantity, though nothing was available.

Xylene—No close-boiling material was available and nothing is expected to be available until makers start fractionating again. Some commercial material was available at 29c@32c er gallon.

Intermediates

Acid, Gamma—Demand was along steady lines and the volume was reported satisfactory. Makers were quoting ton lots at \$1.70 and in smaller quantities up to \$1.80.

Acid, H—Makers were in a sold-up state and had none to offer for prompt delivery. Demand has been very active for this material and present makers are unable to meet the increasing demand. There was none in the resale market. Prices were quoted at 80c@90c lb as to quantity.

Alpha-naphthylamine—Stocks were to be had only in limited supply and at prices which were firm at the recent advance. Ton lots were named at 35c@37c; smaller lots at 37c@39c lb.

Acid, Salicylic—Demand is active and the market is very strong due to the higher costs of raw materials. Technical is now quoted at 45c@47c lb and U.S.P. at 50c lb.

Aniline Oil—Supplies were in steady demand while prices were unchanged at 16½c@17c lb in drums. Tanks were quoted at 16c lb but there was no call for such large quantities.

Benzaldehyde—Demand was active for this material for some of the basic colors but scarcity of supplies restricted business. Technical was named at 65c@70c lb. U.S.P. named at \$1.40@1.50.

Benzidine—Movement was steady due to the recent call for colors made from this product. Prices were firm at 84c@86c lb.

Beta-naphthol—The call for this material was along steady lines. Makers were quoting ton lots at 23c@24c lb and in smaller lots up to 26c lb. An odd lot or two was available in the market at 21c@22c lb.

Dianisidine—Prices were advanced to \$4.60@4.70 lb on limited supplies of stocks and higher costs of production. Demand was along routine lines.

Dimethylaniline—Demand for basic colors has

caused a better demand for this item. Makers were selling drums at 43c@44clb.

Para-toluidine—Supplies were scarce in the market and prices were very firm at 95c@\$1.00lb. Demand was active but buyers had difficulty in locating supplies.

Para-toluidine—Supplies were scarce in the market and prices were very firm at 95c@\$1.00lb. Demand was active but buyers had difficulty in locating supplies.

Para-aminophenol—Higher costs of raw materials have strengthened this product and present makers were selling the base at \$1.35@\$1.50lb. The hydrochloride was named at \$1.50.

Xylidine—Makers were naming higher prices at 47clb. Scarcity of xylol has made this market much stronger.

Dextrines and Starches

Consumption is along steady lines and the market as a whole is firm. Tapioca flour is very strong and advances are probable in all grades. High grade was quoted at 6¼c@6¼clb; medium, 5¾c@6clb; low, 4¼c@4¾c. British gum was \$3.74@\$3.94 for carlots and less. White corn dextrine named at \$3.39@\$3.49 per 100lbs; yellow, \$3.44@\$3.54 as to quantity. Potato was quoted at 7clb in carlots and up to 8¼clb for smaller lots. Starch, powdered, named at \$2.82@\$2.92 per hundred; pearl was 10clb less. Potato starch, domestic, was 5c@5½clb. Imported, 5¾c@6¼clb.

Dyestuffs

Movement of domestic dyestuffs continued along steady lines with textile mills throughout the country working on a full-time basis. Imports of German colors have been growing smaller and smaller since the French occupation of the Ruhr district, and importers state that it is impossible to obtain the desired colors now in Germany. Most of the colors coming in at present are Reparation dyes which are being resold by Italian exporters. Some of the recent receipts are said to be of very poor quality. Price movements in dyestuffs are within narrow limits. Competition in this field is keen and tends to keep prices down to comparatively low figures. In a few items prices have stiffened somewhat, especially basic colors which have been in good demand for export to Japan. Spot supplies of Malachite Green are very small owing to a scarcity of benzaldehyde. An active Japanese demand for the large crystals also accounts for some of the shortage of this dyestuff. Export demand has been increasing steadily since the receipts of German dyestuffs have stopped. Methylene Blue is another color that is much desired abroad. China has been taking large quantities of indigo. Blacks are in active demand in the domestic market and prices have advanced in Direct Black and Acid Black. Auramine is in steady demand. Bismark Brown, Methylene Yellow and Acid Orange are cheaper.

A history of the "Chemistry of the More Important Natural Dyes," by Emil Lesser, Ph.D., American Dye-wood Co., New York, was published in the March 6 number of the "Canadian Textile Journal." The article describes the effect of the war on natural dyes, early dyes and mordants, principal natural dyes, the work of many investigators, and the chemical constitution of hexatoxylin and brazilin.

The Chattanooga Coke & Gas Co., Chattanooga, Tenn., has contracted for the sale of its year's output, at a figure believed to be about \$1,500,000. The by-product ovens are turning out about 10,000 to 11,000 tons of coke a month.

ACCUSES BADISCHE CO. OF WAR FRAUDS

The sale of the right to use the Haber patents for extracting nitrogen from the air, which was made by the Badische Anilin and Soda Co. of Ludwigshafen, Germany, to the French Government, has been followed by charges of war frauds on the part of the German company. During a Reichstag debate on Feb. 16, Deputy Remmele challenged Deputy Moldenhauer, a member of the Board of Directors of the Badische Company, to dispute the charge of grafting and declared himself ready to furnish the Government with proofs of his charges whenever it should choose to name an investigating committee. After having waited ten days for the Government or the Badische Company to do something about investigating the matter, the "Rote Fahne" on Feb. 27 began the publication of letters said to have been written by high clerical employees and directors of the Badische Co. in May, 1918, purporting to show that the Prussian Ministry of War had been cheated out of several hundred thousand marks on war contracts placed under the cost plus system.

Twenty-six per cent of all the dyes imported into the United States in February were German reparations dyestuffs, sold on the American market by Italian concerns, according to Department of Commerce statistics. The total quantity of dyes imported in February was 191,709 pounds with an invoice value of \$199,640. Virtually every pound of Italian and French shipments are made in Germany, having been granted those countries as reparations and then resold to American importers. January's total imports were 179,309 pounds.

A fellowship in organic chemistry in the graduate school of Yale University has been endowed by Cheney Bros., silk manufacturers, South Manchester, Conn. The offer is for two years at \$1,000 per year. The fellowship will be awarded to a graduate student who has shown special proficiency in chemistry and biochemistry, and who has demonstrated his ability to pursue research work leading to the degree of Ph.D.

Lewis E. Ransom of Hempstead and New York, president and founder of the L. E. Ransom Co., importers of dyestuffs, died March 20 at his New York home. He was in his 82nd year. Mr. Ransom was born in Newark, N. Y., and came to New York City in 1868. For fifty-four years he was actively connected with the dye industry.

The American Chemical Products Co., 315 New st., Newark, has filed notice of organization and will manufacture chemicals, dyes and allied products. William O'Conner heads the concern.

January exports of coal-tar dyes amounted to 821,847 pounds, valued at \$332,000. China took 493,928 pounds, Canada 145,000 pounds, and Japan 65,000 pounds.

Imports of dyes and dyestuffs into the United States from September 22 to October 31 last amounted to 617,256 pounds, valued at \$419,362.

The Arabol Manufacturing Co., makers of starches and sizes, now are located at 110 E. 42 st., New York.

The British Dyestuffs Corporation is installing an extensive new plant at Huddersfield. The works will meet the demand created by the Ruhr occupation.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 815

LINSEED OIL ADVANCED TO \$1.10 PER GAL.

Crushers Have Very Little to Offer—Chinawood Oil at Higher Level—Coconut Oil in Active Demand—Cottonseed Oil Easier—Tallow Declines

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Chinawood Oil, 3c lb.	Cod Oil, 2c gal.	Cottonseed Oil, crude, 3/4c lb.	
Coconut Oil, Ceylon, 3/4c lb.	Linseed Oil, 6c gal.	Grease, white, 3/4c lb.	
Manila, 3/4c lb.	Oleo Oil, 3/4c lb.	Tallow, loose, 3/4c lb.	
Corn Oil, crude, 3/4c lb.	Olive Oil, foots, 3/4c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F. gal.	\$.70	\$.68	\$.68	\$.57	\$ 1.27	\$.36 1/2
Degras, American, bbl. lb.	.04 3/4	.04 3/4	.04 3/4	.03 3/4	.25	.03 1/2
Lard, No. 1. gal.	.09	.07 1/2	.07 1/2	.65	2.90	.92
Menhaden, crd. bbls. gal.	.55	.55	.53	.42	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.39	1.39	1.39	1.32	3.45	.95
Red Oil, distilled lb.	.11 3/4	.11 3/4	.11 3/4	.08 3/4	.17	.07
Stearic Acid, T.P. lb.	.16	.16	.15 3/4	.10 1/2	.33	.12
Coconut, Ceylon						
Dom., bbls. lb.	.10	.09 1/2	.09 3/4	.08 1/4	.90	.14
Cottonseed, crude, tanks. lb.	.10 1/4	.10 1/4	.10	.10	.25	.08
Linseed, carlots gal.	1.10	1.01	.98	.79	1.88	.57
Olive, denatured gal.	1.18	1.15	1.15	1.10	4.50	1.05
Peanut, refined lb.	.16 1/2	.16 1/2	.16 1/2	.13	.30	.08
Soya Bean, bbls. lb.	.13 3/4	.12 3/4	.12 3/4	.10 1/2	.19 1/2	.07
Average	0.510	0.503	0.419	0.496	1.30	0.362

The firm tone which has characterized the market since the first of the year was maintained and further advances were recorded. Tallow and cottonseed oil prices fell off, but this failed to affect the rest of the market. Linseed oil was much stronger and crushers had practically nothing to offer on spot. Futures were also named at higher figures. Prices for flaxseed advanced during the week both in the domestic and Argentine markets. Chinawood oil continued strong with further advances. Offerings from the Orient are very small, and prominent factors do not look for any improvement for several months. Coconut oil was in active demand for soap making and all available supplies were quickly taken up. Cottonseed oil was less active and prices declined sharply. Olive oil was much firmer owing to higher quotations from abroad. Soya bean oil was firm. Demand for tallow and greases fell off, as prices were becoming too high. A shipment from South America also helped to make the market easier. Oleo oil was higher. Red oil and stearic acid were firm. Fish oils were scarce and held at high prices. Cod oil was available, but no crude menhaden was offered. Turpentine was higher.

Vegetable Oils

Castor Oil—Prices were firm at 14c lb for No. 1 in bbls., and 15c lb in cases. No. 3 was still 13 1/2c lb. The market was strong because of the scarcity of seed.

Chinawood Oil—With very little oil being offered, the market maintained a strong tone with sellers naming higher prices for spot and future oil. Sales were reported made at 30c lb on spot with the range at 28c@30c lb. There were no offerings from the Orient except for May-June at 23c lb.

Coconut Oil—Supplies were small and demand was active during the week, and further advances were noted. Ceylon in tanks was sold at 9 1/2c lb. In bbls., 10c@10 1/4c lb. Cochin was 10 3/4c@11c lb in bbls on spot.

Manila at the Coast was higher at 8 3/4c lb. Copra was higher at 6c lb.

Corn Oil—The market was firmer with crude at mills held at 10 1/2c lb. On spot barrels were commanding 12 1/2c@13c lb. Refined was held at 13 1/2c lb.

Cottonseed Oil—Demand for lard and oil fell off during the week and prices for crude and refined oil dropped sharply. At the mills crude was 10 1/2c. P. S. Y. on spot opened this week at 11 3/4c lb, and futures at 10 1/2c@11 1/2c lb.

Linseed Oil—Crushers had no oil for spot delivery except in very small quantities for which they were asking \$1.10 per gallon. Futures were also named at these prices while the boiled oils were at the usual advances over raw oil. London linseed oil opened the week at 42s 6d. Antwerp, 332f. Flaxseed prices advanced during the week on an active demand and smaller offerings of seed. Winnipeg opened this week with May at \$2.47 1/2; July, \$2.40. Duluth, cash, \$3.08; March, \$3.08; May, \$2.91 1/2; July, \$2.83. Buenos Aires, firm at \$1.93 1/2.

Olive Oil—A firmer tone characterized the market with advances in foots to 9 1/2c lb. on spot and 9c for shipment. Denatured was steady at \$1.15@1.17 lb. Edible, \$1.80@2.20.

Soya Bean Oil—Prices were firm due to the fact that supplies were not in any large excess and demand along steady lines. Crude in bbls on spot was held at 12 1/2c@12 3/4c lb. In tanks at the Coast, 10 1/2c@10 3/4c lb. Refined, 13 1/4c@13 1/2c lb.

Animal Oils

Lard Oil—The market was steady at the recent advances with business confined to moderate buying. Edible prime, 15 1/2c lb; off prime, 14 1/4c lb; Extra 14c lb; No. 1, 13 1/4c lb; No. 2, 12 3/4c lb.

Oleo Oil—Demand showed some improvement while supplies were somewhat limited. No. 1 was higher at 14c@14 1/4c lb; No. 2, 11 1/2c@12c lb; No. 3, 10 1/4c@10 1/2c lb.

Red Oil—Producers were quoting distilled and saponified at 11 3/4c lb in carlots and 12 1/4c in smaller lots. Supplies were light and prices were firm.

Stearic Acid—Demand continued active with prices firm at the recent advance. Double pressed in carlots held at 14 1/2c lb; triple pressed was 16c@16 1/2c lb.

Tallow—The market dropped to 9c lb on lack of demand and the arrival of a foreign shipment. Recent high prices have not been favorable and few bids were received.

Fish Oils

Cod Oil—Scarcity of supplies and high prices are restricting business but sellers reported a good volume of business for the past week. Newfoundland in bbls was quoted at 70c@72c gal, and in tanks at 66c@68c.

Menhaden Oil—Interest in crude oil was confined to futures though no sales were made on the "if made" basis. Practically all of last season's catch has been sold except an odd lot. Refined oils were moving at 75c per gallon for light strained. Yellow bleached, 77c; blown, 83c.

Sperm Oil—The market was tending easier though sellers were still asking \$1.04 for the 38° and \$1.09 for the 45 degree test.

Naval Stores

Turpentine—Prices advanced to \$1.57 per gallon and demand was much improved over the past few weeks. Wood turpentine held at \$1.43. Savannah was firm at \$1.48½.

Rosin—The tone of the market was strong with higher quotations and expectations of better movement from Southern ports. B, \$6.20; D to I, \$6.30 K, \$6.35; M, \$6.40; N, \$6.45; WG, \$7.00; WW, \$8.00.

Oil Trade Notes

Exports of glycerin in January amounted to 56,455 pounds, valued at \$11,668.

The Anglo-American Varnish Co., 53 Johnston ave., Newark, N. J., has filed plans for an addition, estimated to cost \$23,000.

The Bureau of Supplies and Accounts, Navy Department, Washington, will open bids on April 10 for 35,000 gallons of cottonseed oil.

The Board of General Appraisers have rendered a decision that hardened oil is dutiable as whale oil at 5c per gallon and not as a chemical compound at 15 per cent ad valorem.

Robert Badcock & Co., New York, importers of cod oil, etc., have moved from 90 West st. to 16 Exchange Place. The telephone number has been changed to Bowling Green 5788.

The New York Oil, Paint and Varnish Club held its monthly dinner at the Waldorf, on Thursday evening, March 22. The principal speaker was Francis H. Sisson, of the Guaranty Trust Co, who spoke on business conditions.

An error in the regulations of 1915 covering the amount of caustic soda sufficient to denature 100 gallons of olive oil has been corrected by the Treasury Department to provide for the use of 114 pounds of caustic soda instead of fifteen pounds.

Statements that the new element hafnium will furnish an indestructible paint are denied by the Bureau of Standards, Washington. The bureau acknowledges that the oxide of this element has been isolated, but states that the element itself has not been.

Whaling was conducted on a very light scale during the past year, according to reports from Vancouver, B. C. The whaling fleet operated for a period of three months only, and 187 whales were captured. This is far below the catch during the years when whale oil was bringing a reasonable price, 999 being the maximum reached in the best season.

The Customs Service has announced that the allowance of drawback on refined soya bean oil produced by the Portsmouth Cotton Oil Refining Co., at Portsmouth, Va., from imported crude soya bean oil has been extended to include drawback allowance on soap stock in liquid and solid form, a by-product resulting from the refining of the imported crude soya bean oil.

Professionals made their periodical attack Thursday on American Cotton Oil, particularly the common, which got within ⅞ of last month's low of 14¼, says the "Wall Street Journal." The preferred held 2¾ points above the February low of 25¾. Company had two bad years, but is now understood to be on the road to good earnings, and support is expected around current prices.

PAINT OUTPUT IN 1921 WAS \$203,000,000

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Mar. 28.—The value of products of establishments engaged primarily in the manufacture of paints amounted \$203,071,000 in 1921, as compared with \$256,714,000 in 1919 and \$112,409,000 in 1914, a decrease of 26.4 per cent from 1919 to 1921, but an increase of 80.7 per cent for the seven-year period, 1914 to 1921, according to the Census Bureau.

Of the 582 establishments reported for 1921, 96 were located in New York; 75 in Pennsylvania; 59 in Ohio; 51 in California; 49 in Illinois; 32 in New Jersey; 31 in Missouri; 17 each in Massachusetts and Michigan; 16 in Maryland; 15 each in Indiana and Kentucky; 14 in Minnesota; 11 in Tennessee; 8 in Wisconsin; 7 in Virginia; 6 each in Colorado, Louisiana and Washington; 5 each in Connecticut, Georgia, Nebraska and Texas; 4 each in Oregon and West Virginia; 3 each in Delaware, Iowa and Rhode Island; 2 each in the District of Columbia, Florida, Kansas and North Carolina, and 1 each in Alabama, Maine, New Mexico, Oklahoma, South Carolina and Utah.

In May, the month of maximum employment, 14,681 wage earners were reported, and in August, the month of minimum employment, 13,249—the minimum representing 90.2 per cent of the month of the maximum. The average number of wage earners employed during the year was 13,877, as compared with 17,485 in 1919, and 13,349 in 1914.

ITALIAN OLIVE OIL PRICES DECLINE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, March. 17.—A decline in the prices of olive oils has occurred owing to the falling off in the internal demand, by the competition of other edible oils, and small exports. The following quotations per 100 kilos are noted: Riviera Ponente fine, lire 820 to 880; Bari extra, lire 710 to 715; Bitonto extra vecchio, lire 730 to 740; Molfetta extra, lire 700 to 720, Calabria extra, lire 710 to 720; Sardegna fino, lire 680 to 690; Toscana fino, lire 680 to 730, Abruzzi fino, lire 600 to 650; refined olive oil, lire 660 to 670.

Adrian D. Joyce, president of the Glidden Co., Cleveland, O., was a recent visitor at San Francisco and completed arrangements for the new home of the Glidden Co. of California. He purchased the plant and property of the Natamo Rice Mills on Hubbell st., which includes a four-story concrete building, and plans are being made for transforming this into a large varnish manufacturing plant, with storage tanks having a capacity of at least 100,000 gallons.

The recovery of business from the depression of 1921 has proceeded normally, in spite of the European unsettlement, and good business may be expected throughout 1923, according to a report made public by the Harvard Economic Service. The outlook for the rest of this year is for further expansion of business, firm or higher commodity prices, and firm or higher money rates, the Harvard economists predict.

The Alien Property Custodian, who has charge of funds and property owned by aliens and seized during the war, estimated to exceed \$347,000,000, is returning to their owners all such properties under \$10,000. Approximately \$45,000,000 will be disbursed.

Exports of linseed oil during January amounted to 272,680 pounds, valued at \$33,529.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 804

BROMIDES AND PERMANGANATE HIGHER

Import Cost up and Spot Stocks Reduced—Citric and Tartaric Acids Stronger—Further Recession in Quicksilver—Salicylates Strong—Antipyrine Firmer—Glycerin Softer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid Tartaric, Imp., 1½c lb.	Caramel, 5c gal.
American, 1½c lb.	Potass. Bromide, Imp., 1½c lb.
Alain, 4c lb.	Potass. Permanganate, 5c lb.
Ammon. Bromide, 3c lb.	Rochelle Salt, Imp., ½c lb.
Antipyrine, 15c lb.	Sodium Bromide, 2c lb.

Declined	
Glycerin, Dyn., ½c lb.	
Hexamethylene, 5c lb.	
Mercury, \$2 flask	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.35	\$3.35	\$3.35	\$3.33	\$2.00	\$2.20
Acid Citric, Import .....	.49	.49	.48½	.43	1.25	.45
Caffeine Alkaloid	3.75	3.75	3.75	4.00	18.00	3.65
Calomel, American	1.25	1.25	1.25	.82	3.45	.90
Camphor, Jap. ref. ....	.90	.90	.91	.92	3.55	.41
Iodine, Resublimed	4.55	4.55	4.50	3.80	5.00	3.75
Menthol	8.25	8.25	8.25	5.25	13.50	3.00
Morphine Sulfate	5.35	5.35	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.26	.26	.26	.19	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.59½	.90	.25
Sodium Salicylate .....	.57	.57	.52	.30	4.25	.27
Strychnine Sulfate .....	.84	.84	.84	1.05	2.05	.50
Average	2.24	2.24	2.23	1.88	5.92	1.56

Heavy buying of medicinal and fine chemicals has been reported from all quarters during the past fortnight. A blanket of firmness has been spread over the whole market by the increased activity. Some of the purchases have been for speculative accounts, but most of the goods are going into consumption. Prices for imported chemicals, generally speaking, have shown a broad upward trend both on spot and in the quotations named for shipment. American makers appear to be holding prices steady, keeping goods out of speculators' hands, and increasing production to take up the extra load thrown on them by the reduction in shipment and offers from Europe. Higher prices abroad and the uncertainty of German deliveries are turning a much larger portion of the consumer buying to American makers.

Acid Acetylsalicylic—Active buying of resale goods has cut into available spot stocks and 95c and \$1.00 lb. are best. Makers at \$1.05 and \$1.10 unchanged.

Acid Carboic—Limited quantities from subdivision distributors only at last week's advance. Bulk phenol position unchanged with very little available at 50c spot. One lb. bottles basis 56c lb.

Acid Citric—Stronger with imported spot stocks small. Shipment costs well over 50c to lay down, duty paid. Spot named at 49½c@50c lb. American makers name 49c and 50c lb. bbls. and are getting most of the business.

Acid Salicylic—Between speculative interests and scared consumers, resale goods on spot have been about cleaned up at 48c. With a continuation of the phenol situation where the actual control is out of the United States, higher prices seem inevitable. All makers and dealers are quoting 50c lb. inside for U.S.P. in bbls. Demand is active, but makers are careful to

keep goods out of speculators' hands as much as possible.

Acid Tartaric—Both imported goods and American makers' prices are higher. Spot stocks are greatly reduced and cost to import is 28c c. i. f. which equals 34c spot. Demand is active both on consumer and speculative accounts. Imported spot at 32c@33c lb. and tending upward. American made at higher prices, 33½c lb. as against 32c last week.

Alain—Owing to the scarcity and high prices ruling for aloes, alain is slightly higher at 87c and 90c lb.

Antipyrine—Tightly held on spot and very strong. Most importers are naming \$3.00 lb. inside, although reports state that one or two odd lots can still be had at \$2.90 here.

Bromides—All imported bromides higher. Spot now 16c@18c for potash, 18c@20c for ammonium, and 20c@21c for soda. These figures are below cost to import which averages 12c c. i. f. with a duty of 10c. Difficult to secure for shipment abroad. Imported prices close to American makers' levels now, the latter standing at potash 26c, soda 25c, and ammonium 33c.

Caramel—Makers higher and now inside at 60c gal. up to 70c owing to higher sugar cost.

Chloroform—Makers 35c U.S.P. drums. Best resale spot now 32c lb.

Cod Liver Oil—Easier for shipment at \$20.00 c. i. f. Spot unchanged at \$21.75@23.00 bbl. Norwegian non-freezing. Demand quiet.

Cream Tartar—Demand more active, but price unchanged in spite of tartaric acid movement. Spot imported 24c@24½c. American 26½c.

Formaldehyde—Most demand is for export. Resale offerings spot at 14½c@15c bbls. Makers name 16c.

Glycerin—Dynamite softer at 16½c refiners. C. P. easy, but unchanged at 18½c drums, 20c cans.

Hexamethylene—Makers offering down to 90c in competition, but imported goods sharply underselling still at 75c lb. spot U.S.P.

Menthol—Large lot will arrive in New York late this week on the "Durban Maru" from Japan. Other lots on the "Majestic" from England. Spot \$8.25 lb. cases unchanged, but looks to easier. Although competitive factors will hold goods next week, no sharp break in price or price war is likely. Prices may be reduced, but strong hands generally control the situation here.

Mercury—Further recession in spot prices followed the collapse of "bull" boom, started in London two weeks ago. Spot has dropped back to \$70.00 flask with shipment at about \$47.50 c. i. f. Not a ripple is left on the consuming pool in the U. S. following the big splash. Looks like the war in the Balkans was a failure from the quicksilver viewpoint,—likewise London and Spain.

Petrolatum—Much firmer and in good demand. Snow white at 13c lb. inside bbls. spot. Light amber 4½c; cream 7c; dark amber 3½c lb.

Potass. Permanganate—Rose sharply as spot stocks dwindled during the week. Offers of 25c afloat and 27c spot drums converted to sales during the period. Little or nothing on spot and named at 23c for April-May

shipment from abroad. Expected to go over thirty cents in a brief period.

Rochelle Salt—Higher for shipment and firmer spot at 19½c/lb. for imported U.S.P. goods. American makers at 21c unchanged.

The United States Marshal of the Baltimore district is confronted with the task of having to destroy 1,720 cans of chloroform, in conformity with the order of the United States Federal Court. The chloroform is contained in quarter-pound tins and each of these containers must be opened and its contents poured out, so that there will be no possibility of their being diverted into illegal channels. The chloroform is part of the result of seven seizures made in Baltimore drug establishments by direction of the pure food and drug commissioner. The chloroform was labeled "for anaesthesia," but physicians who bought supplies complained that it was below the required strength. Investigation disclosed that these cans had been purchased from the surplus goods division of the War Department.

Experts on American chemical industries, it is understood, have suggested to the Department of Commerce that investigations should be made under the \$500,000 appropriation made by Congress in the case of a number of important chemicals subject to concentrated foreign control. Among these are camphor and menthol, subject to a Japanese monopoly; quinine, controlled by the Kina Co., with headquarters at Amsterdam; quebracho, controlled by a British corporation known as La Forestel, and iodine, sold through a London agency in manner similar to Chilean nitrate. These are in addition to nitrate of potash of the German Kali Syndikat; also citrate of lime, 95 per cent of the American consumption of which comes from Sicily.

All basic permits expired December 31, 1922, says a bulletin issued by the National Wholesale Druggists' Association. The Commissioner of Internal Revenue has extended such permits until April 30, 1923, only in the event that any permit holder who has not received notice of action upon his application on or before April 1, shall notify the Prohibition Commissioner, Washington, D. C., by registered mail between the first and fifteenth of April that such application was filed, giving the facts and stating that no notice of action thereon has been received, in which event the permit will remain in force as a renewal permit until the application is acted upon.

E. C. Yellowley, who has served here as Federal Prohibition Director since the resignation last November of Ralph A. Day, will return to Washington this week to resume his duties as chief of general dry agents. Palmer Canfield, head of the legal division of the department and former Mayor of Kingston, has been named to succeed him. The appointment of Mr. Canfield has been held up for several weeks by terms that Roy A. Haynes, National Prohibition Commissioner, sought to impose in agreeing to name him. Political leaders favorable to Mr. Canfield have settled their differences with Mr. Haynes.

Exports of quinine sulfate and other salts of cinchona during January were 13,243 ounces, \$7,695; antitoxines, serums and vaccines, \$22,293; other medicinal and pharmaceutical preparations, \$1,385,860; ginseng, 21,637 pounds, \$291,876; and other crude vegetable drugs, 342,987 pounds, \$85,074.

The Johnson Drug and Paint Co. has been organized at Zanesville, O., with capital stock of \$160,000, to take over the wholesale department of the F. P. Bailey Co.

ALCOHOL TRADE ADVISERS NAMED

Representatives of Industrial Interests Request Separate Bureau for Regulation of Permits

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Mar. 28.—A conference was held recently between Commissioner of Internal Revenue Blair and users of industrial alcohol and representatives of various drug and chemical trade associations. The Commissioner was asked to appoint a trade advisory committee of ten. It is understood that the names were submitted to him and he accepted the proposal. He asked that the names be not made public until he had received acceptances. The committee will be consulted by the Commissioner before new regulations dealing with the use of alcohol are issued.

Request was made that the Commissioner establish a separate bureau for the administration of the industrial alcohol features of the Volstead Act, and appoint some one to take charge who is familiar with trade needs and customs. They said there was a growing tendency on the part of Mr. Haynes to curtail the lawful supplies obtainable by legitimate users of alcohol and by restrictions and inconveniences hamper them in the conduct of their business. Instances were cited of delays and difficulties encountered by established firms in obtaining permits to withdraw industrial alcohol and of contradictory orders issued after masses of red tape had been cut and numbers of regulatory formalities complied with to obtain permits.

CHANGES IN CHEMICAL RATES ASKED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 28.—The Tariff Commission has announced the names of the companies making application for increases and decreases in the chemical schedule without stating what amount of duties were desired.

The Victor Chemical Works of Chicago asked for an increase in the rate on oxalic acid, paragraph 1.

The Abbott Laboratories of Chicago asked for an increase in the rate of barbituric acid, paragraph 5.

The J. H. R. Products Co. of Willoughby, O., asked for an increase and John Bene & Sons, Inc., of Brooklyn, N. Y., asked for a decrease in the rates on barium peroxide, paragraph 12.

The American Dyewood Co., New York, asked for an increase in the rate on logwood extract, paragraph 39.

The Diamond Match Co., New York, asked for a decrease; the North American Chemical Co., Bay City, Mich., asked for an increase and the National Electrolytic Co., of Niagara Falls, N. Y., asked for an increase in the rates on potassium chlorate, paragraph 80.

The American Nitrogen Products Co., of Seattle, Wash., asked for an increase in the rates on sodium nitrate, paragraph 83.

Martin Cantine Co., of Saugerties, N. Y., and other coated paper manufacturers asked for a decrease in the rate on casein, paragraph 19.

A bill in the Minnesota House (No 900) would restrict to registered pharmacists the sale of medicines of all sorts and kinds, even the ordinary household remedies and patents and proprietary medicines, and would cut off the sale of this class of goods from grocers and general merchants.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 819

JAMAICA GINGER CONTINUES TO ADVANCE

Higher Shipment in Primary Market—Cape Aloes
Higher—Spanish Aniseed Advanced—Henbane
Leaves and Quince Seed Show Easy Tendencies—
Arrowroot Still Very Scarce—Canada Fir Balsam
Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aniseed, Span., 2c lb.	Dandelion Rt., 2c lb.
Aloes, Cape, 2c lb.	Elm Powd., 1c lb.
Agar Agar, No. 1, 15c lb.	Fennel Seed, Fr., 3/4c lb.
Balsam, Tolu, 2 1/2c lb.	Ginger, Jamaica, 2c lb.
Calamus Rt. Bich., 2c lb.	Ipecac Rt. Powd., 10c lb.
Calisaya Bk., 2c lb.	Sarsaparilla, Mex., 2c lb.
Canella Alba Bk., 7c lb.	Senna, Half Leaf, 2c lb.
Caraway Seed, 1c lb.	Stramonium Lva., 1/2c lb.
Coriander, Bich., 1c lb.	Valerian Rt., 1c lb.
	Wormwood Herb, 1c lb.
Declined	
Chamomile Hung., 1c lb.	
Saffron Flowers, Am., 5c lb.	
Shellac, T. N., 1c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.35	\$.40	\$.40	\$.22	\$.90	\$.12
Buchu Leaves, Short	.92	.95	1.00	.95	4.00	.85
Cantharides, Russian	1.75	1.75	1.75	2.50	9.00	2.10
Cocculus Indicus	.03 1/2	.03 1/2	.03 1/2	.05	.85	.03
Ergot, Spanish	.52	.55	.55	1.05	4.50	.54
Insect Powder, pure	.70	.75	.75	.35	1.00	.28
Ipecac, Cartagena, pwd.	2.10	2.00	2.00	2.00	4.50	1.35
Nux Vomica	.06 1/2	.07	.07	.08	.14 1/2	.07
Opium, gum	6.75	6.75	6.75	5.50	30.00	5.00
Rhubarb Root, H. D.	.40	.40	.42	.85	1.75	.15
Tragacanth, No. 1, ribbon	1.70	1.70	1.70	2.25	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.09	.21	.07
Average	1.35	1.36	1.36	1.40	5.28	1.00

Most business done last week was in a small way. The trade seems to be marking time in regard to placing large orders. The general trend is upward. The trade is of the opinion that a slight temporary reaction may come in a few domestic products with new crop arrivals, but the statistical position points to higher rather than lower prices. In some lines there is no doubt but what there will be a surplus at the end of the crop year, but these products are in the minority. It is felt that there may be some further price shading in certain commodities, but that the market generally is in a very firm state.

Aloes—Cape sharply advanced. Now quoted at 9 1/2c@10c lb. spot. Curacao steady at 8 1/2c lb. and still scarce in spite of recent arrivals.

Agar Agar—Advanced to \$1.95 lb. spot, No. 1, owing to scarcity in market. No. 3 can be had for \$1.55 lb. spot.

Aniseed—Spanish is higher at 27c@29c lb. spot. Demand good.

Arabic Gum—Amber sorts in fair demand. Bags spot unchanged at 15 1/2c@16c lb.

Arnica Flowers—Softer and in limited demand at 10c@11c lb. spot.

Arrowroot—Little to be had in primary markets. Spot St. Vincent holding firm at 14c@15c lb. Supply on way and is expected in a few weeks.

Balsams—Tolu advanced and cleaned is now selling at 85c@90c lb. spot. Peru is easy at \$1.80@1.85 lb. Fir Canada advanced to \$12.00@13.00 lb. Fir Oregon remained scarce. Very little said to be in the market. One

report that as high as \$3.50 gal. has been paid. Very limited supply offered at \$3.00 gal.

Benzoin Gum—Sumatra easy at 30c@32c lb. spot. Siam still quoted at \$1.10@1.15 lb. spot.

Belladonna—Root unchanged at 12c@13c lb. spot. Leaves still quoted at 17c@18c lb. spot.

Buchu Leaves—Market quiet owing to small demand. Sales this week at 90c spot in bales ranging to 95c for less. Shipment prices show easy tendencies at 2s 6d Cape Town.

Calisaya Bark—Advanced. Some sellers are now holding for 18c lb. Limited supply can still be had for 16c@18c lb.

Cantharides—Russian easier at \$1.50@1.75 lb. spot for cases and \$1.75@2.00 lb. for powdered. Chinese quiet at \$1.05 in cases and \$1.25 lb. in boxes.

Caraway Seed—Advanced and is now selling at 31c@32c lb. spot in a strong market. Much higher quotations predicted. New crop is not due until September.

Cardamom Seed—Best qualities are quoted up to \$1.75 lb. spot for bleached. As low as 90c lb. is in the market as to quality. Green grinding at \$1.05@1.10 lb. All grades holding in a firm market.

Cascara Sagrada—Steady at 14c lb. for 1922 peel and 14 1/2c lb. for 1921 peel.

Chamomile Flowers—Hungarian quoted lower in an easy market and is now selling at 16c@18c lb. spot as to seller and quality.

Cohosh—Holding steady at 9c for black owing to firmness in the country. Blue quoted at 9c@9 1/2c lb. spot.

Colocynth—Pulp steady at 55c@57c lb. spot. Apples advanced slightly and now selling at 17c@22c lb. spot.

Coriander Seed—Bleached advanced. Now quoted at 14 1/2c@15c lb. spot.

Cubeb Berries—Quiet and dull, with spot goods held at 82c@85c lb. U.S.P. XX whole.

Dandelion Root—Advanced on higher shipment. Spot goods in good demand. Now selling at 16c@17c lb. spot.

Dragon's Blood Reeds—Good quality reeds still offered spot at \$1.40@1.50.

Elm Bark—Powdered firmer at 16c@17c lb. Bundles can still be had at 25c@27c lb. spot.

Ergot—Russian or Spanish quoted at 52c@55c lb. spot. Demand has been very limited. As soon as weakly held supplies are disposed of, undoubtedly a firmer spot market will follow.

Fennel Seed—French advanced on better demand and is now selling at 17 1/2c@18c lb. spot.

Ginger—Jamaica made another advance this week. Very firm spot at 37c@44c lb. as to quality for grinding. Demand is good. African still quoted at 15 1/4c@16c lb. spot. Japan at 15 1/2c lb. and Cochin lemon and ABC firm at 15 1/2c@16c lb. spot. The spot situation is slightly better in that there is now a greater variety of Jamaica grades available.

Henna Leaves—Demand quiet. Bales at 16c@17c lb. spot. Powdered at 22c lb.

Insect Powder—Market firm and demand good. Now selling 70c@75c lb. for pure powder.

Lycopodium—Eased off at 35c@42clb. spot from a firmer position of a week or so ago.

Myrrh Gum—Spot goods fairly steady. Sorts at 38c @40clb. Select at 40c@45clb.

Sarsaparilla Root—Mexican advanced in strong market. Quoted at 30c@32clb. spot. Honduras, bales, 55clb. spot.

MEDICINAL IMPORTS INCREASED IN 1922

Important increases in receipts of foreign medicinal and pharmaceutical preparations in 1922 are evident from a study of the imports which show that 15,460,314 pounds (value \$1,323,661) of alkalies, alkaloids, preparations, mixtures and combinations thereof were received during the period of January-September 21, 1922, while only 12,101,178 pounds (value \$953,942) were received for the 11 months, January-November 30, 1921. The following amounts of medicinal and pharmaceutical preparations arrived during the period September 22-November 30, 1922:

Medicinal and pharmaceutical preparations	Imports, Sept. 22-Nov. 30, 1922	
	Quantity	Value
Quinine sulfate	604,088	\$295,144
All other quinine compounds.....	524,800	180,147
Caffeine and cocaine and salts of.....	25,087	4,477
Strychnine and derivatives of.....	25,087	21,136
Other alkaloids and salts and derivatives of.....		2,754
Biological medicinals:		
Antitoxins, vaccines, serums, and blistering		
insects	6,931	
Enzyme preparations	7,515	1,715
Other medicinals		370,617
Preparations in capsules, pills, tablets, etc.	27,306	33,213
All other preparations	330,295	151,064

Resolutions calling on the Indian National Congress to restrict the cultivation of the poppy plant in that country to the actual quantity needed by the world for medicinal purposes were adopted at a mass meeting held on Sunday, March 25, in Madison Square Garden gymnasium under the auspices of the Friends of Freedom for India. Among the speakers were Dr. John W. Perilli, trustee of Bellevue and Allied Hospitals; Dr. Carlton Simon, head of the narcotic division of the Police Department; Mrs. John Jerome Rooney and Judge Herman C. Kidlich. About one hundred persons were present.

Figures on imports of copal, damar and kauri gums indicate an important gain between Jan. 1 and Sept. 21, 1922, 29,053,463 pounds of these gums valued at \$3,327,740, having been imported, compared with 14,698,231 pounds, valued at \$1,744,533, for the first 11 months of 1921. From Sept. 22 to November 30, 1922, 1,122,312 pounds (\$212,062) of damar and 1,937,413 pounds (\$348,686) of kauri arrived. Gains were likewise apparent in receipts of camphor, gum arabic, gambier and asafetida.

A Pennsylvania luxury tax bill, introduced in the House, (No. 521) taxes many articles, including perfumes, cosmetics and proprietary medicines. The tax on these articles is at the rate of one cent for every twenty-five cent sale or fraction thereof.

Imports of cinchona into the United States have increased from 1,032,282 pounds (\$332,537) during the period January-November, 1921, to 2,328,961 pounds (\$830,078) during the first 11 months of 1922.

Charles H. Camp, for twenty years well known to the wholesale and proprietary drug trade, died in this city on March 17. He was sixty-one years old.

Ricardo Gomez, of Gomez and Sloan, vanilla bean importers, has been reported drowned off Gutierrez Zamora, while en route to Vera Cruz.

NARCOTIC EMBARGO IS LIFTED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 28.—As the result of a conference between the Federal Narcotic Control Board and representatives of the importers of crude opium and coca leaves, the Board lifted the narcotic embargo which has been in effect since Jan. 1. The ruling is effective at once. The amounts of narcotics necessary for medicinal needs of the country have been arrived at by the Board.

REMINGTON MEDAL AWARDED DR. RUSBY

American Pharmaceutical Association Recognizes His Research Work in Pharmacognosy

Dr. H. H. Rusby, Dean of the College of Pharmacy, Columbia University, has been awarded the Remington honor medal, by the New York Branch of the American Pharmaceutical Association, for his botanical researches and the discovery of a number of important drug plants in South America. The medal will be presented to Dr. Rusby at a dinner to be given by the New York branch of the New York Pharmaceutical Association in April.

The Remington Honor Medal was established by the New York branch of the American Pharmaceutical Association, five years ago, as a memorial to the late Prof. Joseph Price Remington,

COPRA AND DRUGS REACH SAN FRANCISCO

Imports at San Francisco during the week ending March 17 included the following: On steamer Alaska Maru, from Yokohama, to the Shell Co, 415 bags Fuller's earth. On the steamer Tahiti, from Raratonga, to Wightman & Crane 154 sacks copra and to Atkins, Kroll Co. 415 sacks copra; from Papeete, to Henry Gray Co. 3312 sacks copra, to Atkins, Kroll & Co. 2660 sacks copra, to order 2948 sacks copra, to the Burns Philp Co. 1000 sacks copra, to the O'Connor Harrison Co. 4494 sacks copra and to Wightman & Crane 1823 sacks copra.

On the steamer Taiyo Maru, from Hongkong, to order 117 bags pepper and 500 bags of tapioca, to Mackinnon, MacKenzie & Co. 240 bags pepper; from Kobe, to S. L. Jones & Co. 10 bags isinglass, to Dodwell & Co. 10 bales isinglass, to Frazer & Co. 10 packages agar agar. On the steamer Auus, from Singapore, to the Bank of California 260 bags of pepper, and 100 cases gum copal; from Zamboanga, to El Dorado Oil Works bulk mixed copra, to Atkins, Kroll & Co. bulk mixed copra; from Cebu, to Babcock & Templeton, 1527 bags copra, to the International Banking Cor, 2820 bags copra.

Imports of gum myrrh at Aden, Arabia, in 1922, totaling 25,952 hundredweight, were nearly 25 per cent larger than in 1921; exports at 18,764 hundredweight were 12 per cent more than in the previous year. Somaliland was the chief source of the imports in both years: Egypt ranked first in the export field in 1922 and India second, a reversal of their 1921 positions.

Charles Friedgen, of the firm of Charles Friedgen and Co., has accepted the chairmanship of the drug division in the forthcoming campaign for \$500,000 for Salvation Army work in New York.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 821; Aromatic Chemicals, page 822

OIL PEPPERMINT AND VANILLIN WEAKER

Country Holding Large Stocks of Peppermint Oil—
U.S.P. Cassia Moves Higher Again—Keen Competition in Vanillin—Some Sandalwood Sellers Higher—
Lemon Speculation in Sicily

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced					
Oil Cassia, 10c lb.				Oil Juniper Berries, 10c lb.	
Oil Coriander, \$1.00 lb.				Oil Sandalwood, 15c lb.	
Oil Cumin, \$2.50 lb.				Oil Capsicum, 25c lb.	
				Musk Xylene, 15c lb.	
Declined					
				Oil Peppermint, 10c lb.	
				Oil Petit Grain, 5c lb.	
				Vanillin, 1c lb.	
Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak
Oil Bergamot	\$2.60	\$2.60	\$2.50	\$5.00	\$7.00
Oil Citronella, Ceylon .....	.71	.70	.72	.55	.92
Oil Cloves	1.80	1.80	1.85	2.15	3.70
Oil Lemon .....	.75	.75	.67	.85	1.70
Oil Peppermint, Nat.	2.65	2.75	2.85	1.70	9.00
Oil Sandalwood, E. I.	8.00	7.85	7.35	7.25	13.00
Oil Sassafras, Artif. ....	.42	.42	.42	.46	1.00
Benzaldehyde, U.S.P.	1.40	1.40	1.40	1.40	5.15
Coumarin	4.50	4.50	4.00	3.15	31.00
Methyl Salicylate, Cans. ....	.61	.57	.57	.35	1.00
Vanillin .....	.40	.41	.45	.55	.95
Average	2.17	2.18	2.12	2.16	6.83

The essential oil market showed more developments in the less active oils. The whole list appeared stronger in undertone. In a number of oils, spot goods are nearing depletion. To replace these, shippers are asking higher figures. Oil cassia developed stronger tendencies. Sandalwood moved higher. Citronella holds firm, but is less active. Methyl salicylate is firmer in accordance with the general salicylate position. Oil petit grain weakened slightly. Capsicum oleoresin moved to higher level. Vanillin eased off slightly. African geranium is firmer.

Essential Oils

Oil Almond—Sweet oil steady at 35c/lb. Bitter held unchanged at \$3.75@\$4.00/lb.

Oil Anise—Technical quoted at 45c@50c/lb. U.S.P. firm at 52½c@55c/lb.

Oil Bergamot—Holding firm at \$2.60/lb. for U.S.P., spot standard brands in coppers.

Oil Camphor—Japanese white selling for 13c@13½c/lb. in drums and 13½c@15c/lb. in cases.

Oil Cardamom—Spot goods strong. Now selling at \$20.00@\$22.00/lb.

Oil Cassia—Shortage of spot goods brought out another advance. Orient also asks higher shipment figures. One seller asked \$2.25/lb. for technical and \$2.50/lb. for redistilled. Limited quantities spot can be had at \$2.35/lb. for redistilled.

Oil Citronella—Spot goods continue small, but in lessened demand. Drums Ceylon at 70c@71c/lb. spot. Java oil quoted at 85c@87½c/lb. spot. Imports last week 67 drums Ceylon oil.

Oil Cloves—Slightly easier on spot. Quoted at \$1.80@\$1.90/lb. The spice position continues uncertain.

Oil Coriander—Has advanced in a firm market to \$21.00@\$22.50/lb. spot.

Oil Cumin—Advanced and is now selling for \$15.00

@\$20.00/lb. owing to scarcity and higher shipment figures in primary markets.

Oil Eucalyptus—Tendencies are to soften. At present holding at 46c@48½c/lb. spot cases.

Oil Geranium—Algerian in tins is very firm and scarce at \$8.00/lb. spot. Quoted higher at 255 francs per kilo c.i.f. for shipment. Bourbon is also firm at \$6.50/lb. spot.

Oil Ginger—Spot goods are being depleted. Quoted at \$5.75@\$6.00/lb. spot.

Oil Hemlock—Market very strong at \$1.55/lb. spot.

Oil Juniper Berries—Advanced to \$1.25/lb. under good buying pressure.

Oil Lemon—Some sellers are willing to sell in a small way for 73c/lb. All quantity sellers are asking 75c/lb. inside for Italian. American still 80c/lb. spot. Higher prices in Sicily and active speculative trading between dealers there.

Oil Limes—Spot firm at 85c/lb. for distilled. Shipment goods higher.

Oil Orange—Good demand for West Indian, \$2.60@\$2.75/lb. Replacement at \$2.50. Italian spot at \$2.80@\$2.90/lb. American holding firm at \$2.85/lb. spot.

Oil Peppermint—Lower on spot \$2.65@\$2.75/lb. for natural, although some holders are asking up to \$2.90/lb. The price has been steadily declining in producing centres with due regard to amount of buying going on. U.S.P. spot at \$2.90@\$3.00.

Oil Petit Grain—Demand eased off somewhat and is now quoted at \$1.55/lb. spot.

Oil Sandalwood—Market is very strong owing to good demand and low stocks. Has advanced to \$8.00@\$8.15/lb. in some quarters for East Indian. Still possible to buy on spot at \$7.85/lb., however.

Oil Sassafras—Quiet and unchanged at 95c@\$1.00/lb. Artificial quoted at 42c@45c/lb. spot.

Oil Spearmint—Supplies are large enough to take care of demand. Selling \$2.40@\$2.50/lb. spot.

Oil Thyme—U.S.P. is quoted at \$1.00@\$1.10/lb. spot for red, while white is quoted at \$1.10@\$1.15/lb. Crude in drums can be had for 85c@95c/lb.

Oil Wintergreen—Synthetic advanced to 61c/lb cases, by makers and dealers.

Oil Wormseed—Shows very strong position. Makers control supply tending to hold back stocks for better price than \$4.25/lb. spot in cans.

Oil Wormwood—Holding steady at \$6.50@\$7.00/lb. spot.

Aromatic Chemicals

Benzyl Benzoate—Supplies are ample to take care of demand. Ordinary selling at \$1.50@\$1.60/lb. spot and \$1.65@\$1.75/lb. for medicinal FFC.

Cinnamic Acid—Spot goods scarce. Quoted at \$3.00@\$3.25/lb. spot.

Coumarin—Holding firm at \$4.50/lb. in makers' hands. Some goods are in outside hands, but closely held. Supply small and demand good. Can be had for resale in a small way at \$4.25/lb. spot.

Diethyl Phthalate—Business being done in a routine way. Cans quoted at 65c@75c/lb. spot.

Methyl Anthranilate—Quiet and unchanged, domestic quoted at \$2.25@2.35lb. Imported selling at \$3.00@3.50lb. spot.

Methyl Salicylate—Cans now selling at 61c spot.

Musk Xylene—Market advanced on better demand. Quoted at \$2.90@3.15lb. spot.

Terpineol—Demand is very good. Market firm. Price is unchanged from makers. Selling at 53c@55c in drums. Cans quoted at 58c@60c. Imported goods quoted at \$1.00@1.25lb. spot.

Vanillin—Softened and is now quoted at 40c@40½c in cans, on competition and limited demand.

U. S. IS CHIEF PRODUCER OF TALC

(Special to Drug & Chemical Markets)

Washington, D. C. March. 28.—The United States is producing approximately two-thirds of the world's supply of talc, says the Bureau of Mines. Probably the largest single use of talc is as a filler or loading material in paper, according to Raymond B. Ladoo, mineral technologist of the Bureau of Mines. The manufacture of newsprint consumes the largest quantities, but talc is used also successfully in many papers, from the cheapest to the finest grades. For use in paper, talc must be procurable at a price about equal to that of the best white clay; but paper makers can afford to pay slightly more if the talc is retained in paper better than the clay.

Talc is used also as a filler in the manufacture of mixed or ready-prepared paints. At first it was used secretly and was regarded as an adulterant; but gradually by actual tests and impartial research it was found that talc had valuable properties that really improved paints used for some purposes. Today paint chemists regard talc as a paint material of great value.

Talc suitable for sawing into crayons and pencils is found mainly in North Carolina and Georgia, but some pencil stock is produced in Vermont, Maryland, Virginia and California.

Talc is used for gas tips and electrical insulation, in a form commercially known as lava. Ground talc and soapstone are used for foundry facings, either alone or mixed with graphite. A coarser grade of talc is used in the manufacture of asphalt-coated roofing felts and papers, both as a filler and as a surfacing. The highest grade of ground talc is used as a toilet powder. Ground talc is also used in dressing and coating cloth, in making soap, rope, twine, pipe-covering compounds, heavy lubricants, and polishes.

Oil of lemon and citronella oil were the chief essential oils shipped by Ceylon to the United States during 1922, according to the Bureau of Foreign and Domestic Commerce. The United States was Ceylon's best customer for oil citronella.

Imports of lemon oil during 1922 show a gain over 1921, from 509,719 pounds (\$379,341) during the period January-November, 1921, to 652,195 pounds (\$444,235) for the first 11 months of 1922.

The Vivaudou Co. has leased the second floor of 469 Fifth ave., New York, for a term of years, at a gross rental of \$200,000. The space is about 10,000 square feet.

George Uhe, essential oil broker, has moved from 102 Fulton st. to larger quarters at 47 Fulton st. His new telephone number is Beekman 2070.

The Perfumery, Soap and Extract Association of Chicago was addressed on Wednesday, March 28, by Fred Wolff, who spoke on "Geranium."

BUREAU OF CHEMISTRY DEFINES EXTRACT

A recent ruling on flavoring extracts by the Bureau of Chemistry says that the term "extract" implies an alcoholic product. Flavoring products prepared with vehicles other than alcohol should therefore not be labeled with the term "extract". The Federal Food and Drugs Act does not require a statement of the proportion of alcohol on the labels of flavoring extracts used exclusively for food purposes, although certain State laws make this requirement. Extracts sold or used for any medicinal purpose should have the proportion of alcohol plainly stated on the label.

Nonalcoholic flavoring products may be labeled with the term "flavor," provided they contain the same kinds and proportions of flavoring ingredients as are required by the department's definitions and standards for extracts, and provided further they are labeled with some term in direct connection with their names to show that the vehicle is not alcohol. Because flavoring products possess little food value, if any, and because flavors prepared with food oils are likely to become rancid no objection will be made to the use of highly refined mineral oil as a vehicle for nonalcoholic flavors, provided the oil contains no impurities that might render the product harmful to health.

Vanillin coumarin preparations colored with caramel and other products which imitate vanilla extract or nonalcoholic vanilla flavor should be plainly labeled "imitation vanilla extract" or "imitation nonalcoholic vanilla flavor," as the case may be, and the ingredients which give them their characteristics as imitations should be plainly declared. This declaration may be specific, such as "vanillin coumarin and caramel," or it may be simply "artificial flavor and color." The names "artificial vanilla," "synthetic vanilla," "vanilla substitute," and coined words such as "vanillos" should not be used for these imitation preparations, but they may be designated by fanciful trade names, provided the names do not simulate those of the genuine products and are otherwise incapable of producing a false or misleading impression, and provided further such fanciful names are followed by comparably conspicuous declarations that the articles are imitations, together with the other information required by the law.

SYNTHETIC PRODUCTS ARE IN FAIR DEMAND

(Special Correspondence to Drug & Chemical Markets)

Milan, March. 17.—The demand for synthetic products is fair, especially for geraniol, linalol, terpineol, and acetate of bornyl. Prices are as follows per kilo: Amyl acetate, lire 60; benzyl acetate, free from chloride, lire 32; geraniol acetate, lire 180; terpineol acetate, lire 55; benzaldehyde, free from cyanides and chlorine, lire 35; cinnamic aldehyde, lire 100; phenylethyl alcohol, lire 250; anethole, lire 75; methyl benzoate, lire 40; pure citral, lire 125 to 150; citronella, lire 100; coumarin, 100 per cent, lire 120; heliotropine, 100 per cent, lire 115; eucalyptol, lire 48; para-cresolmethyl ether, lire 75; pure eugenol, lire 200; indol, lire 1,800; menthol, Kob-Suz, lire 325; nitrobenzene, lire 12; saphrol, lire 30; pure terpineol, lire 35; thymol crystals, lire 180; vanillin, 100 per cent, lire 345.

The Perfumery, Soap and Allied Industries of New York held a meeting and dinner Wednesday night, March 28, at the Hotel Astor. The committee, V. Vidaudou, Warren Burns and R. B. Stoddard, submitted a report on the tariff.

During the week 67 drums of Ceylon citronella oil and 33 drums of the Java product were imported.

The Consuming Industries

The O. K. Dye Works, 48 Broadway, Brooklyn, are making extensions at their local dye plant.

J. K. Hughes and associates, of Mexia, Texas, have subscribed to stocks in a \$400,000 company that will be incorporated to build a cotton mill with 5,000 spindles.

The Consolidated Cotton Mills Co., Muskogee, Okla., plans the erection of a string of ten cotton mills, all in the Southwest. The company is capitalized at \$5,000,000.

Pulp and paper workers in the United States and Canada have adopted a wage scale at a conference in Montreal, providing for the restoration of the 1921 rates for skilled and semi-skilled men, and a minimum of 30 cents an hour for unskilled.

The General Tire and Rubber Co., Akron, O., earned in 1922 a net profit of \$100 a share on common; Miller Rubber Co., \$35.60 a share; Firestone Tire and Rubber, \$16.60 a share; B. F. Goodrich, \$75.00, and Goodyear Tire and Rubber Co. nothing.

J. A. Nash, C. B. Harton and L. L. Lattimore have been appointed by the Kaufman (Texas) Chamber of Commerce as a committee for the organization of a company to establish a cotton mill in that place. It is planned to capitalize the company at \$400,000, and equip the mill with 5,000 spindles.

A textile company is being organized at Gainesville, Texas, by local business men under the leadership of Dr. C. L. Stokes. It will be capitalized at \$500,000 and members of the Kiwanis Club have offered to sell sufficient stock to finance the mill. It is expected that the plant will be in operation by October, 1924.

Establishments manufacturing ice report a total value of \$158,889,000 in 1921 compared with \$137,005,000 in 1919, and \$60,386,000 in 1914, an increase of 16 per cent from 1919 to 1921, and of 163 per cent for the seven-year period of 1914 to 1921. Ice was also manufactured, as a subsidiary product by establishments engaged in other industries, to the value of \$9,024,000 in 1921, \$12,511,000 in 1919 and \$6,934,000 in 1914.

A meeting of the American Section of the Society of Chemical Industries will be held at the Chemists' Club, Friday, April 13. Following is a list of papers to be presented at the meeting: "The Manufacture and Uses of Printing Inks," by E. H. McLeod of the Ault & Wiborg Co.; "The Fading of Lithographic Inks," by A. C. Chesley of the American Tobacco Co., Brooklyn, and "Ink and Its Relation to Paper and Printing," by Arthur S. Allen of Philip Ruxton, Inc.

NAMES RECEIVERS FOR D. G. DERY MILLS

Receivers for the D. G. Dery Corp. owning silk mills in New Jersey, Pennsylvania, Virginia and Massachusetts, were appointed by Federal Judge Augustus N. Hand, on Monday, March 26. Their joint bond is \$50,000.

The receivers were appointed on application of E. Gerli & Co., Inc. a New York concern, with claims of \$159,015 on trade acceptances. The D. G. Dery Corp. consented to the appointment. Total assets of the corporation are estimated at \$16,613,614 and liabilities at \$16,314,614.

AMERICAN WOOLEN CO. ADVANCES WAGES

(Special to DRUG & CHEMICAL MARKETS)

Boston, March 28.—A wage increase of 12½ per cent. has been granted to all the operatives of the American Woolen Co. by President William M. Wood, adding about \$4,000,000 a year to the aggregate payroll of 36,000 persons and marking the first action by any of the principal groups in the textile industry to meet the movement among operatives for more pay. The advance will be effective April 30. It was granted without demands having been made. The American Woolen Co. operates sixty mills in New England States, New York and Louisville, Ky.

The request of the Fall River textile council of the American Federation of Textile Operatives for an advance of 15 per cent in wages, effective April 2, was refused by the Cotton Manufacturers' Association at their first official conference with the union. The manufacturers requested that the unions defer action of the refusal until April 20, when they will meet the labor representatives in conference again.

New Consuming Companies

Mesquite Textile Mills Co., Mesquite, Tex., \$400,000. To spin and weave cloth.

Standard Silk Process Corp., Paterson, N. J., \$1,000,000. To weight silk. George W. Cole, Jr., Leigh Wolf, Vincent Barnitt.

Ramsey Company, Yonkers, N. Y., \$50,000. To make candy. G. C. Ramsey, H. A. Irmeler; attorney, R. A. Fosdick, 41 Park Row, New York.

Lawrence Manufacturing Co., Dover, Del., \$15,000,000. Cleaning powders, fluids. John H. Lawrence, Washington, John H. Watkins, Frank J. King, Howard S. Rodgers, New York. (Capital Trust Co. of Delaware.)

Mariborough Drug Co., Manhattan, \$10,000. M. Horowitz, H. H. Hutt, L. Kinney; attorney, N. W. Tannenbaum, 342 Madison ave., New York.

Federaloid Corp. of New York, Brooklyn, \$40,000. Celluloid. D. I. Michaelson, J. Levy, J. Rottiner; attorney, J. Bogart, 63 Park Row, New York.

Cranford Drug Co., Manhattan, \$10,000. S. M. Wittner, C. B. Kinberg, A. Leder; attorneys, Anderson, Phillips & Moss, 565 Fifth ave., New York.

East End Pharmacy, Manhattan, \$10,000. M. Rubin, R. Greenberg, I. Lutzker; attorney, J. K. Polikoff, 1133 Broadway, New York.

Orange Crush Bottling Co. of Minnesota, Wilmington, Del., \$400,000. Orange juices. Corporation Trust Co. of America.

Orange Crush Bottling Co. of Michigan, Wilmington, Del., \$400,000. Orange juices. Corporation Trust Co. of America.

Indian Rock Bottling Corp., Manhattan, \$250,000. To make beverages. T. & M. A. Marini; attorney, P. Englander, 41 East 42nd st., New York.

Peerless Beauty Products Corp., Manhattan, \$30,000. M. Lennon, D. & G. J. Loomis; attorney, C. H. Brevillier, 32 Liberty st., New York.

Ostrucon Chemical Co., Manhattan, \$5,000. To make flavoring extracts. W. Osterman, S. R. Rubin, J. L. Citron; attorney, D. E. Adler, 44 Court st., Brooklyn, N. Y.

V. S. Stone Co., Rochester, New York, \$100,000. To make candy. V. S. Stone, F. C. J. Deininger, H. C. Jenkins; attorney, E. C. Redfern, Rochester.

Fareng Sales Co., Manhattan, \$100,000. To make hair tonics. L. Silverman, V. Leff; attorney, P. L. Davis, 47 West 34th st., New York.

Plastic Products Co., Detroit, Mich., \$25,000. To manufacture paints and kindred products. Russell S. Collins, E. F. and Alfred D. Covert, 1940 Highland ave., Detroit.

Phelps Tablet Co., Inc., Kings County, \$100,000. To manufacture paper. G. M. Spencer, 120 Broadway, New York.

A. Rosen Silk Corp., New York County, \$230,000. To manufacture textile fabrics. Abr. Rosen, 905 West End ave., New York.

Unit System Laundry Corp., 15 Exchange Place, Jersey City, N. J., \$375,000. General laundry business.

Copeland Products, Inc., Wilmington, Del., \$20,000,000. Manufacturers of cooling devices and refrigerators.

The Foreign Markets

Import of Drugs and Chemicals, page 823

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling).....	\$4.886	\$4.694
France (franc) .....	.193	.065
Italy (lira) .....	.193	.048
Germany (mark) per hundred.....	23.80	.004
Czechoslovakia (crown) per hundred.....	20.30	.029
Poland (mark) per hundred.....	23.80	.002
Japan (yen) .....	.499	.404
Spain (peseta) .....	.193	.153
Holland (guilder) .....	.402	.394
Belgium (franc) .....	.198	.066
Switzerland (franc) .....	.195	.184
Sweden (crown) .....	.268	.265
Denmark (crown) .....	.268	.192
Argentina (peso) .....	.424	.370
Brazil (milreis) .....	.279	.111
China (Silver dollar—Hongkong) .....	.789	.556
(Tael—Shanghai, silver)	1.082	.757
(Tael—Peking, silver)	1.156	.802

ITALY BUYING MORE MEDICINALS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, March 17.—The demand for pharmaceutical products has improved slightly. Quotations per kilo are as follows: Morphine hydrochloride, lire 2000 to 2500; acetylsalicylic acid, lire 45 to 55; pure tannic acid, lire 40 to 50.50; tartaric acid, lire 13.50 to 14; salicylic acid, lire 12 to 14; citric acid, lire 19 to 20; boric acid, acid, lire 818 to 825; amidopyrine, lire 200 to 225; ammonium bromide, lire 10 to 11; bicarbonate of soda, lire 180 to 190; potassium bromide, lire 8 to 9; sodium bromide, lire 10 to 11; benzonaphthol, lire 113 to 120; pure caffeine, lire 180 to 200; Japanese camphor, lire 48 to 50; sulfate and bisulfate of quinine; lire 480 to 500; quinine chlorhydrate, lire 580 to 600; chloral hydrate 80 to 90; chloroform, lire 16 to 18; cocaine chloride 2200 to 2700; pure codeine, lire 3000 to 3500; cresol, lire 40 to 50; hexamethylene-tetramine, lire 80 to 90; phenacetine, lire 110 to 125; lime-glycero-phosphate, lire 50 to 60; guaiacol, lire 150 to 160; hydroquinone, lire 40 to 50; iodine, lire 180 to 200; potassium iodide, lire 180 to 200; calcined magnesia, lire 9 to 11; chloride of morphine, lire 2000 to 2500; menthol, lire 400 to 425; methyl salicylate, lire 28 to 30.

ITALIAN FERTILIZER TRADE IS ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Turin, Italy, March. 17.—The demand for natural and synthetical nitrate of soda has been good. Ammonium salts, and sulfate and chloride of potash have sold well during the month. The demand for calcium cyanamide was fair. Quotations per 100 kilos are as follows: Mineral superphosphates, lire 28 to 29; bone superphosphates, lire 51 to 53; Thomas slag, lire, 38 to 40; nitrate of soda, lire, 136 to 140; nitrate of ammonia, lire 118 to 120; calcium cyanamide, lire 108 to 112.

Readjustment in the personnel of the United Alkali, Ltd., England, have been made necessary by the death of Arthur Carey, the retirement of Dr. Raschen, and the parliamentary duties of Dr. Clayton. R. Holden Davidson and W. A. Short are now the managing directors. H. H. Smith is manager of the Widnes, St. Helens, and Weston works.

MENTHOL FOR SHIPMENT IS HIGHER

Phenacetin, Cardamoms, Potassium Permanganate and Caustic Potash Also Advanced in London—Quotations Lower on Cartagena Ipecac, Sarsaparilla and Japanese Oil Peppermint

(Special Cable to DRUG & CHEMICAL MARKETS)

London, March 28.—The trading is quiet this week. Little interest, was shown in the Drug Auctions. Higher prices are announced on menthol for shipment, phenacetin, cardamoms, potassium permanganate, and caustic potash.

Prices are firmer on gentian root, castor oil, and formaldehyde.

Quotations are lower on Cartagena ipecac, Jamaica sarsaparilla, and Japanese mint oil.

London, March 17. (By Mail)—A distinct improvement is shown in the fine and heavy chemical markets and enquiries are numerous, prices all around being firmer. Offers of chemical products from the Continent are fewer and in many cases so much higher in price than here that trade has shifted almost exclusively to home supplies. The few changes of any moment are in ipecacuanha which is dearer, especially for Cartagena. Carbolic acid is still firmly maintained at the recent advance and also salicylic acid and the salicylates. Menthol continues weak. Cardamoms which are little used here but wanted for the Continent, are in strong demand and dearer. All classes of ginger are advancing, owing to orders from New York and the Continent. Cod liver oil, in view of the favorable catch, has eased off.

Acid Acetic is slightly stronger and in view of smaller stocks will probably go higher. The nominal price for 99-100 per cent is £69 per ton. 80 per cent £45 and 40 per cent £22 19s.

Acid Citric is quoted at 1s9d to 1s10d per lb according to quantity.

Chloride of Barium is scarce and very firm.

Potassium Caustic—No large contracts have been entered into, for forward delivery, but the price has sharply advanced to about £31 per ton c.i.f. for 88 to 92 per cent which is about the spot price in London.

Acetyl Salicylic Acid is dearer and has been freely sold forward, prompted by the late carbolic acid advance, and 3s per lb is the lowest price now except for larger contracts which might be put through at a lower price.

Carbolic Acid is still in demand at 1s7d per lb, but the quantities available are getting into narrower limits.

Bromides are steadier, owing to German competition having ceased for the moment.

Sodium Salicylate is dearer again at 2s3d to 2s4d per lb in second hands; makers are asking 2s4d to 2s6d per lb for powder and crystals respectively. German parity is now 3s per lb c.i.f. plus 33 per cent duty.

Ginger has been an active market owing to the demand from New York. Rough China washed has fetched 65s, with a grade higher at 70s.; Japanese limed is 55s to 60s c.i.f.; Jamaica small 190s; bold 225s.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stock of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—120 American Gallons
1 American Gallon	—3.785 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	—2.64 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	—454 Kilograms
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls. D	27	38
100 lb kgs. D	28	30
USP 200 lb bbls. D	35	38
Second Hands D	34	35
Acetic Anhydride, 85% 480 lb drs. D	38	38
85% 107 lb chys. D	38	38
92-95% 100 lb chys. D	41	41
Acetone, CP 700 lb drs. c/l wks. D	22	22 1/2
700 lb drs. c/l wks. D	22 1/2	22 1/2
850 lb drs. c/l wks. D	22 1/2	22 1/2
Second Hands. spot. D	90	95
Heavy, bbls. D	90	95
Acetone Oils, light, bbls. D	4.00	4.25
Acetophenone, CP 1 lb bot. D	1.85	1.95
Acetophenetidin, 150 lb bbls. D	35	36
Acetyl Chloride, 100 lb chys. D	35	36
ACID, 1, 2, 4, 250 lb bbls. D	30	30
Acetic, 28%, 400 lb bbls. c/l	3.17 1/4	3.17 1/4
28%, 100 lb wks. D	3.42 1/4	3.42 1/4
28%, c/l wks. D	6.35	6.35
56%, c/l wks. D	6.60	6.60
56%, 100 lb wks. D	7.94	7.94
70%, bbls. c/l wks. D	8.19	8.19
70%, 100 lb wks. D	9.08	9.08
80% coml. bbls. c/l wks. D	9.33	9.33
80% coml. 100 lb wks. D	10.30	10.30
80% pure bbls. c/l wks. D	10.35	10.35
80% pure 100 lb wks. D	12.05	12.05
Glacial, bbls. c/l wks. D	12.30	12.30
Glacial, 100 lb wks. D	12.80	12.80
Glacial, USP chys. wks. D	1.05	1.10
Acetylacetic, 250 lb bbls. D	.95	1.00
Second Hands D	.98	.98
Anthranilic, ton lots drs. D	1.00	1.10
95-98%, 100 lb drs. D	1.00	1.10
99-100%, 100 lb drs. D	1.20	1.20
Benzoin, tech. 100 lb bbls. D	.85	.85
Tech. ton lots bbls. D	.80	.80
USP 100 lb bbls. D	.72	.77
Boric, chys. powd. 250 lb bbls. D	.11 1/2	.12
Kegs. 100 lb D	.12	.12 1/4
Brenner's, 250 lb bbls. D	1.55	1.55
Butyric, 60% pure 5 lb bot. D	.50	.60
Camphoric, USP VIII 1 lb bot. D	5.50	5.60
Carbolic, USP chys. see also Phenol		
110 lb tins D	.47	.47
25 lb tins D	.49	.49
5 lb tins or bot. D	.51	.52
1 lb bot. D	.56	.56
Liquid, USP 1 lb bot. D	.55	.55

ACID, Carbolic—(Continued)		
Crude, 25% 50 gal. bbls. gal	.35	.36
10%, 50 gal. bbls. gal	.30	.32
Chloracetic		
mono 100 lb bbls. wks. D	3.0	3.0
DI, 150 lb chys wks. D	1.00	1.00
Tri, 425 lb bbls. wks. D	2.45	2.45
Chlorosulfonic, 1500 lb drs.		
wks. D	.15	.16
Chromic, USP 200 lb drums. D	.40	.40
85% Pure, 200 lb drums. D	.35	.35
Chromotropic, 300 lb bbls. D	1.25	1.25
Chrysanthic, see Chrysanthin		
Cinnamic, 5 lb cans. D	3.00	3.25
CITRIC, USP cryst 230 lb bbls. D	.49	.49
Powd., USP 200 lb bbls. D	.50	.50
Imported, cryst. 112 lb kegs. D	.49	.49 1/4
Single kegs D	.49 1/4	.50
Cleves, 250 lb bbls. D	1.05	1.10
Cresylic, 95% dark dr. resale. gal		
97-99% straw, drs. wks. gal		
97-99% com. drs. imp. gal	1.30	1.50
97-99% decolor. drs. wks. gal		
Diethylbarbituric, 10 lb lots,		
1 lb bot. D	8.50	10.50
Formic, 75% tech. 100 lb chys. D	.16	.18
90%, 75 lb chys. incl. D	.16	.18
Gallie, USP 150 lb bbls. D	.70	.75
Gamma, 225 lb bbls. wks. D	1.80	1.90
Bbls., ton lots wks. D	1.70	1.80
Glycerophosphoric, 25% 1 lb b. D	1.65	1.70
II, 225 lb bbls. single. D	.85	.85
Bbls., ton lots wks. D	.85	.85
Hydrolic, 10% USP 5 lb bot. D	.65	.70
Hydrobromic, 48% coml. 155 lb		
chys. wks. D	.35	.40
48% coml. 10 chys. wks. D	.40	.40
40% USP 155 lb chys. wks. D	.45	.46
10% USP 100 lb chys. wks. D	.11	.13
Hydrochloric, see also Acid, Muriatic		
CP, USP, 110 lb chys. D	.08	.09
HYDROFLUORIC, 30% 400 lb bbls.		
wks. D	.07	.07
30% bbls. c/l wks. D	.06	.06
30% 100 lb chys. wks. D	.07	.07
48% single 100 lb chys. wks. D	.11	.11
48% 10 chys. wks. D	.10	.10
52% 100 lb chys. wks. D	.12	.12
52% 10 chys. wks. D	.11	.11

Acid, hydrofluoric—(continued)		
60% 100 lb chys. wks. D	.14	.14
60% 300 lb dr. wks. D	.12	.12
White Acid, 100 lb chys. wks. D	.20	.20
White Acid, 10 chys. wks. D	.20	.20
Hydrofluosulfate, 35% 430 lb bbls.		
wks. D	.10	.13
Hypophosphorous, USP 30% 5		
gal. demis. D	.95	.95
USP, 10% 5 gal. demis. D	.35	.35
LACTIC, 22% dark 500 lb bbls. D	.84 1/4	.85
23% light, bbls. D	.85 1/4	.86
44% dark, bbls. D	.89 1/4	.90
44% light, bbls. D	.11 1/2	.12
66% bbls. D	.11 1/2	.12
USP IX 100 lb chys. D	.60	.70
USP VIII 100 lb chys. D	.60	.65
Laurent's, 250 lb bbls. D	.85	.90
Melanilic, 250 lb bbls. D	.60	.65
Mixed, sulfuric-nitric		
Drums, wks. D	.07 1/4	.08
Drums, wks. D	.07 1/4	.08
Tank cars, wks. D	.07 1/4	.08
Tank cars, wks. D	.009	.01
Molybdic, 85% pure 1 lb bot. D	1.75	1.85
85% pure, 100 lb kegs. D	1.30	1.30
Monosulfonic V, Delta. 50 lb		
tins D	2.30	2.30
MURIATIC, 20° chys. 100 lb		
wks. D	1.35	1.50
Chys. c/l wks. D	1.10	1.50
Tank cars, wks. D	1.00	1.10
18°, 120 lb chys.		
c/l wks. D	1.00	1.10
Tank cars, wks. D	.90	1.00
22°, 120 lb chys.		
c/l wks. D	1.75	2.00
Iron, free, 20° chys. 100 lb		
c/l wks. D	1.35	1.35
Tank cars, wks. D	20.00	25.00
Muriatic, CP & USP, see Acid Hydrochloric		
Naphtholonic, tech. 250 lb bbls. D	.60	.63
Refined, single bbls. D	.65	.65
Neville & Wither's, 250 lb		
bbls. D	1.25	1.25

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ACID, NITRIC, 36° 135b			
cby. wks.100b	4.75	:	5.00
Cby. c/l wks.100b	4.50	:	4.75
38° single cby. wks.100b	5.50	:	5.75
Cby. c/l wks. ....100b	5.25	:	5.50
42° single cby. wks. ....100b	6.00	:	6.50
Cby. c/l wks. ....100b	5.75	:	6.00
44° single cby. wks. ....100b	6.75	:	7.50
Cby. c/l wks. ....100b	6.50	:	7.00
C. P. cby. single wks. ....100b	...	:	13.00
Oxalic, 325b bbls. wks. ....b	.12%	:	.13
bbls. NY. ....b	...	:	.13%
Kegs, 100b NY. ....b	...	:	.14
Imp., 560b esks. ....b	.13	:	.13%
Phenylacetic, 1b bot. ....b	3.00	:	4.00
Phosphoric, 50% tech. 100b	...	:	...
cby. ....b	.08	:	.09
USP, 85% syrupy, 70b	...	:	...
demis. ....b	...	:	.18
Phthalic, see Phthalic Anhydride	...	:	...
Picramic, 300b bbls. ....b	...	:	.85
Pieric, 450b bbls. ....b	...	:	.30
bbls. car lots wks. ....b	.20	:	.22
Pyrogallic, crys. 5b cans. ....b	...	:	1.20
Resublimed, 5b cans. ....b	1.55	:	1.60
Tech. powd., 200b bbls. ....b	...	:	.80
Salicylic, tech. 125b bbls. ....b	.42	:	.47
USP, 100b bbls. ....b	.50	:	.52
Second Hands. ....b	.48	:	.50
Sulfanilic, 250b bbls. ....b	.17	:	.20
SULFURIC, 66° 180b cby.			
lc/l wks. ....100b	1.25	:	1.50
Cby. c/l wks. ....100b	1.00	:	1.25
1500b Drums, lc/l	...	:	...
wks. ....100b	...	:	1.10
Drums, c/l wks. ....100b	...	:	1.00
Tank cars, wks. ....net ton	14.00	:	16.00
60° 1500b Drums,	...	:	...
lc/l wks. ....100b	.70	:	.90
Drums, c/l wks. ....100b	.60	:	.80

Acid Sulfuric			
Tank cars, wks. ....net ton	9.00	:	11.00
C. P. 175b cby. ....100b	.08	:	.09
Oleum, 30 p.e. 1500b drums,	...	:	...
lc/l wks. ....100b	1.35	:	1.50
Drums, c/l wks. ....100b	1.10	:	1.25
Tank Cars, wks. ....net ton	17.00	:	18.00
Contract cars, wks. ....ton	17.00	:	18.00
Oleum, 40° drs lc/l wks. net ton	...	:	35.00
Oleum, 60° drs, lc/l wks net	...	:	65.00
ton	...	:	...
Sulfurous, USP 6% 100b cby. b	.05	:	.06
4% 100b cby. ....b	.04	:	.05
USP, 5 gal. demis. ....b	.06	:	.08
Tannic, tech. 300b bbls. ....b	.40	:	.50
USP, powd. 200b bbls. ....b	.70	:	.75
USP, stuffy, 50b bbls. ....b	.75	:	.80
Tartaric USP crys. 300b bbls. b	...	:	.33%
USP, powd. 300b bbls. ....b	...	:	.33%
Imp. USP, 240b bbls. ....b	.32	:	.33
Powd. 240b bbls. ....b	.32	:	.33
Tobias, 250b bbls. ....b	1.30	:	1.40
Tungstic, 100b kegs. ....b	...	:	1.00
Aconitine Alk. crys. 1 oz. vis. os	...	:	30.00
Amorphous, 1 oz. vis. ....os	...	:	20.00
Adeps Lanae, hydrous 350b bbls b	.21	:	.23
Anhydrous, 350b bbls. ....b	.23	:	.24
Albumen, Egg, edible. ....b	...	:	.88
Technical, see Dyers Sundries	...	:	...
ALCOHOL, USP 190 pf. 50 gal.			
bbls. ....gal	...	:	4.70
Second Hands, bbls. USP 190	...	:	...
pf. ....gal	...	:	4.60
Export, USP 190 pf. ....gal	.37	:	.45
Cologne Spirit, 50 gal. bbls. gal	...	:	4.75
WOOD, see Methanol			
Alcohols, also in 50 gal.	...	:	...
drums, extra and returnable.	...	:	...
Amyl, see Oil Fuel	...	:	...

ALCOHOL—(continued)			
Butyl, 50 gal. drums. ....b	.20	:	.32
Cinnamic, liquid, 1b bot. ....b	10.00	:	12.00
Crystallizable. ....b	12.00	:	15.00
Isobutyl, crude 50 gal. drums. gal	...	:	4.40
Refined, 10b can. ....b	...	:	.75
Isopropyl, crude 50 gal. drs. gal	...	:	2.25
Refined, 50 gal. drs. ....gal	4.00	:	4.50
Ref'd, 91%, drs. ....gal	...	:	3.50
Methyl, see Alcohol, Wood	...	:	...
Phenylethyl, see Phenylethylalcohol	...	:	...
Propyl, nml. crd 50 gal. drms. gal	...	:	4.40
Refined, 10b can. ....b	...	:	.75
Denatured			
No. 1 Complete Denat. 188 Proof	...	:	...
50 gal. bbls. incl. ....gal	.41	:	.43
50 gal. drums, extra. ....gal	.35	:	.37
No. 1 Special Denat. 190 Proof	...	:	...
50 gal. bbls. incl. ....gal	.39	:	.41
50 gal. drums, extra. ....gal	.33	:	.35
No. 5 Complete Denat. 188 Proof	...	:	...
50 gal. bbls. incl. ....gal	.38	:	.40
50 gal. drums, extra. ....gal	.32	:	.34
No. 6 Complete Denat. 188 Proof	...	:	...
50 gal. bbls. incl. ....gal	.38	:	.41
50 gal. drums, extra. ....gal	.32	:	.34
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.			


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Chemicals

Aloin, USP 100 lb cases.....	.87	: .90
Alpha-Naphthol, tech. 300 lb bbls. D	...	: .65
Refined, 300 lb bbls.....	...	: .75
Alpha-Naphthylamine, 350 lb bbls. D	.37	: .39
Ton lots, bbls.....	.35	: .37
ALUM , Ammonia, lump 400 lb bbls.		
wks.	100 lb	3.50 : 3.65
Imp., 500 lb casks.....	100 lb	3.25 : 3.50
Ground, 400 lb bbls. wks. 100 lb		3.65 : 3.75
Powd., 380 lb bbls. wks. 100 lb		3.90 : 4.00
Chrome, 500 lb cks wks. 100 lb		5.00 : 6.00
Potash, lump 400 lb bbls.		
wks.	100 lb	4.50
Bbls. c/l wks.....	100 lb	4.35
Cont. bbls c/l wks.....	100 lb	4.35
Imp., 650 lb cases s.p. 100 lb		3.25 : 3.50
Ground, 400 lb bbls. wks. 100 lb		4.35 : 4.60
Imp., 650 lb casks.....	100 lb	3.25 : 3.50
Powd., 380 lb bbls. wks. 100 lb		4.50 : 4.75
Chrome, 700 lb cks wks. 100 lb		5.25 : 5.50
Soda, grd. 400 lb bbls. wks. 100 lb		4.00
Bbls. c/l wks.....	100 lb	3.50
Aluminum, metal, c/l NY.....	24.50	: 25.00
Chloride, anhyd. 275 lb drs.....	.20	: .23
30% sol. 120 lb cbs.....	.03 3/4	: .04
Hydrate, 96% light 90 lb bbls. D	.18 3/4	: .20
SULFATE , Iron-free bags c/l		
wks.	100 lb	2.50 : 2.65
Imported, spot 100 lb		2.50 : 2.60
Comm'l., 3/4% iron, bags c/l		
wks. ....East 100 lb	1.45	: 1.50

ALUMINUM SULFATE—(Continued)

Cont. bags c/l wks. E. 100 lb	...	: 1.40
Bags, c/l wks. W. 100 lb	...	: 1.35
Bbls., c/l wks. East. 100 lb	...	: 1.60
Bulk, c/l cont. wks. E. 100 lb	...	: 1.35
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes.....	4.60	: 5.00
1 lb cartons, 10 lb boxes.....	...	: 5.06
Aminooazobenzene, 110 lb kgs.....	...	: 1.15
AMMONIA anhyd. 100 lb cyl. D	...	: .30
Water, 26° 800 lb drs. wks. D	...	: .07 3/4
Dra. c/l wks.....	.07	: .07 3/4
Imp., 800 lb drs incl spot. D	.06 3/4	: .07
26° 100 lb cbs. lc/l wks. D	...	: .09 1/4
Cbs., c/l wks.....	...	: .09 3/4
20° 800 lb drs. lc/l wks. D	...	: .08
Cbs., lc/l wks.....	...	: .07 3/4
18° 800 lb drs. lc/l wks. D	...	: .05 1/4
Cbs., lc/l wks.....	...	: .07 3/4
16° 800 lb drs. lc/l wks. D	...	: .04
Cbs., lc/l wks.....	...	: .05
Ammonium Acetate, 100 lb kegs. D	.35	: .36
Benzoate, USP 1 lb bot.....	.85	: .90
Bisulfide, 300 lb bbls.....	.22	: .23
100 lb kegs.....	.23	: .24
Bromide, 50 lb boxes.....	...	: .33
Imported, 112 lb boxes.....	.18	: .20
Carb., tech. 560 lb casks.....	...	: .09 3/4
Powd., tech. 385 lb bbls. D	...	: .09
USP, lump, 100 lb kegs.....	...	: .09 3/4
Powd., 100 lb kegs.....	...	: .08 3/4
Chloride, Domestic		
White gran. 250 lb bbls. NY. D	...	: .08
Bbls., c/l wks.....	...	: .07 3/4
Gray 250 lb bbls, wks.....	.08 3/4	: .08 3/4
Bbls, c/l wks.....	.08	: .08 3/4

AMMONIUM CHLORIDE—(Continued)

Imp., wh. 600 lb casks spot. D	.06 3/4	: .07
Gray, 600 lb casks spot. D	.08	: .09
Lump, 500 lb casks spot. D	.14	: .15
Ichthyolate, as to brand.....	.75	: 4.00
Iodide, USP 25 lb jars.....	...	: 5.20
Lactate, 500 lb bbls.....	.15	: .16
Nitrate, tech. crys. 225 lb bbls. D	...	: .13 3/4
CP gran. 100 lb kegs.....	.20	: .21
Oxalate, pure, 100 lb kegs.....	.50	: .57
Persulfate, 112 lb cases.....	.55	: .60
Phosphate, dibasic 200 lb bbls. D	.64	: .60
Tech., powd. 325 lb bbls.....	.15	: .17
Salicylate, USP 100 lb kegs.....	.68	: .70
Sulfate, bulk c/l wks..... 100 lb	...	: 3.75
200 lb single bags c/l wks. 100 lb	...	: 3.90
200 lb double bags f.a.s. 100 lb	...	: 4.15
Sulfoeyanide, tech. 100 lb kgs. D	...	: .50
CP, 25 lb jars.....	.60	: .65
Amyl Acetate, tech. 50 gal. drs. gal	3.50	: 4.00
Pure, 5 gal. cans..... gal	6.00	: 7.00
Alcohol, see Fusel Oil		
Butyrate, 1 lb bot.....	2.00	: 2.10
Formate, 1 lb bot.....	1.75	: 2.00
Salicylate, 100 lb cbs.....	1.45	: 1.60
Anethol, 2 lb bot.....	1.60	: 2.00
ANILINE OIL , 900 lb drs. 5 dr. sp. D	...	: .17
Aniline Salt, 200 lb bbls.....	.24	: .25
Anisic Aldehyde, 1 lb bot.....	3.40	: 4.00
Anthracene , 40-45% 600 lb casks		
wks. ....	.12	: .17
80-85%, 600 lb casks wks.....	.75	: 1.00
Anthraquinone, subl 125 lb bbls. D	1.30	: 1.35
30% paste 350 lb bbls.....	.75	: .80
Antimony metal, slabs ton lots 100 lb	8.75	: 8.87 3/4
Needle Powd., 100 lb cases.....	.06 3/4	: .07

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Cocaine and Salts
Codeine and Salts
Colchicine Alkaloid, U. S. P.
Colchicine Salicylate
Creosote, U. S. P.
Creosote Carbonate
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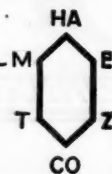
THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

Chemicals

ANTIMONY CHLORIDE, anhyd 1000 lb			Bay Rum, Porto Rican, genuine			Beta-Naphthylamine, tech. 200 lb.		
dra. lb	..	.35	Denat. salicy acid or tartar emetic			bbis. lb	.90	.95
50 lb crocks lb	.45	.48	45 gal. bbis. gal	3.10	3.25	Sublimed, 200 lb bbis. lb		1.50
Sol'n. 130 lb carboys lb	.12	.13	Denat. quinine sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 500 lb bbis. lb	.07	.07½	bbis. gal	3.40	3.50	BISMUTH metal, 150 lb cases. lb	2.75	2.85
Salt, dom. 500 lb bbis. lb		.24	Domestic synthetic, 50 gal.			Second Hands lb	2.60	2.65
Imp. NY lb	.23	.24	bbis. gal	1.25	1.35	Ammon. Citrate, USP 5 lb bxs. lb		5.60
Sulfide, golden 500 lb bbis. lb		.19	Benzaldehyde, tech. 945 lb dra.			Betanaphtholate, 5 lb bxs. lb		3.20
336 lb kgs lb		.17	wks. lb	.65	.70	Citrate, USP 5 lb bxs. lb		3.00
Crimson, 500 lb bbis. lb		.38	USP, 25 lb cans. lb	1.40	1.50	Nitrate, 25 lb jars. lb		1.85
336 lb kgs lb		.36	FFC, 25 lb cans. lb	1.60	1.70	Oxychloride, 250 bbis. lb		3.35
Red, 500 lb bbis. lb		.43	BENZENE, 90% 8000 gal. tanks			Phenolsulfonate, 5 lb cans. lb		3.05
336 lb kgs lb		.40	wks. gal		.27	Salicylate, 250 bbis. lb		1.95
Tartrolactate, 500 lb bbis. lb		.45	110 gal. dra. wks. gal	.32	.33	Subcarbonate, USP, 250 bbis. lb		3.25
Antipyrine, USP, 100 lb cases. lb	2.90	3.00	CP Tanks, wks. gal		.30	Subcarbonate, USP 250 bbis. lb		3.25
Apomorphine Hydrochloride, ¼ oz. vial. oz.	16.65		110 gal. dra. wks. gal	.35	.36½	X-Ray diag. 1 lb bot. lb		3.60
Arecoline Hydrobromide, 1 oz. vial. oz.	8.00	9.50	Benzidine Base, dry 250 lb bbis. lb		.86	Subgallate, USP 175 bbis. lb		2.65
Argols, red powd, 350 lb bbis. lb	.07	.07½	10 bbl. lots. lb		.81	Subiodide, 5 lb lots. lb		4.55
Arsenic, metal 220 lb kgs. lb	.23	.24	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 bbis. lb		2.75
Red, 224 lb kgs cases. lb	.14½	.15	bbis. lb	.70	.72	Second Hands, bbis. or less. lb	2.55	2.60
White, 550 lb bbis. c/l NY. lb	.15½	.16	Benzol, see Benzene			Cones, 1 lb bot. lb		3.75
Aspirin, see Acid Acetylsalicylic			Benzonaphthol, 5 lb boxes. lb	2.00	2.10	Subsalicylate, USP, 175 bbis. lb		3.05
Atropine Alk. USP 1 oz vial. oz.	10.50		Benzoyl Chloride, 500 lb dra. lb		1.00	Tannate 1 lb bot. lb		2.58
Sulfate, 5 oz. in 1 oz vials. oz.	3.00		Benzyl Acetate, 100 lb chys. lb	1.25	1.40	Bismuth Preparations quoted		
Single ounces oz.	3.10		Alcohol, 5 lb bot. lb	1.50	1.75	above on basis 25 lb lots.		
BARIUM BINOXIDE, see Barium Oxide			Benzonate, 5 lb bot. lb	1.50	1.60	Smaller lots at an advance.		
Carbonate, precip. 800 lb bbis.			Medicinal FFC lb	1.60	1.75	Blanc Fixe, dry 400 lb bbis. wks. ton	80.00	85.00
wks. ton	75.00	85.00	Chloride, 95% tech. 925 lb dra. lb		.25	Imported, bbis. ton		1.85
Imports, bbis. spot. ton		72.00	100 lb chys. lb		.30	Paste, 650 lb bbis. ton		40.00
Precip., 200 lb bps, wks. ton	79.00	75.00	Redistil. 100 lb chys. lb		.35	BLEACHING POWDER, 700 lb dra.		
Chloride, 800 lb bbis. wks. ton	90.00	95.00	Formate, 1 lb bot. lb	2.50	3.00	c/l wks. 100 lb	2.15	2.25
200 lb bps. wks. ton	90.00	95.00	Berberine Hydrochloride, 1 lb bot. lb		22.00	Drums 1c/l ex-warehouse. 100 lb	2.40	2.65
Import. bbis. spot. ton	90.00	92.50	Sulfate, acid or neut. 1 lb bot. lb		22.00	Contract, c/l wks. 100 lb	1.90	2.00
Dioxide, 88% 690 lb dra. lb	.17	.18	BETA-NAPHTHOL, 350 lb bbis. wks. lb		.26	F. a. s. c/l. 100 lb		2.25
Import, 85-85% 400 lb dra. lb	.14	.16	ton lots, wks. lb	.23	.24	Imported, spot. 100 lb	2.15	2.25
Hydrate, 500 lb bbis. lb	.05½	.06	Sublimed lb	.55	.60	Blue Ointment, see Mercury		
Iodide, 5 lb bot. lb		5.15				Mam, see Mercury		
Nitrate, 700 lb cans. lb	.09½	.10				Bone Ash, 100 lb kgs. lb		.68
Import, cans lb	.08½	.09				Black, 200 lb bbis. lb	.06	.68
Sulfocyanide 400 lb bbis. lb		.35						
Barytes, Roasted 350 lb bbis. ton	33.50	35.00						

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Chemicals

Borax, USP, cryst. 400 lb bbls..b	.05%	.05%
Powdered, U.S.P. 300 lb bbls..b	.05%	.05%
Keps, USP, 100-150 lb.....b	.05%	.06
Bordeaux Mixture, powd. bbls..b	.12	.15
Paste, bbls.....b	.08	.10
Borneol, 1 lb bot.....b	...	3.50
Bromide, see potass. bromide, etc.	...	
Bromine, bot. in 50 lb ea. wks..b	...	.39
Bromobenzene, 600 lb drums..b	.40	.42
Bromoform, USP 5 lb bot 50 lb ea..b	...	1.30
Bromatrol, 25 lb kgs.....b	4.00	4.25
Brucine Sulfate, 100 ozs.....oz	...	.20
Butter of Antimony, see Antimony Chloride	...	
CADMIUM, metal 100 lb bks....b	1.15	1.25
Bromide, 50 lb cases jars....b	...	1.10
Iodide, 10 lb bot.....b	...	4.45
Sulfide, ea.....b	1.50	1.60
CAFFEINE ALK. USP 5 lb cans..b	3.75	4.25
Second Hands.....b	...	3.75
Hydrochloride, 1 lb bot.....b	7.12	7.32
Sulfate, 1 lb bot.....b	...	5.50
Citrated, 25 lb cans.....b	3.00	3.25
Hydrobromide, 1 lb bot.....b	...	4.75
CALCIUM Acetate, 150 lb bgs, e/l wks.....b	...	3.50
Arsenate, 100 lb bbls. e/l wks..b	.17	.19
Bbls. lc/l wks.....b	.18	.21
Bromide, 100 lb ea.....b	...	.45
Calcium Carbide, 220 lb dr e/l wks..b	...	.94%
Drums lc/l wks.....b	...	.95
Carbonate, tech. 100 lb bags e/l.....b	1.00	1.10
USP, precip. 175 lb bbls..b	...	.04
Chloride, solid, 650 lb drs. e/l f o b NY.....ton	...	24.50
Gran., 350 lb drs. e/l f o b NY.....ton	...	30.50

CALCIUM CHLORIDE—(Continued)

Flake 330 lb drs. e/l drs. fob NY.....ton	...	30.50
Imp., solid 600 lb drs. spot. ton	...	20.50
Anhyd., 350 lb drs. fob NY..b	.12	.13
Glycerophosphate, 250 lb bbls..b	1.55	1.60
Hydrate, (see Lime)	...	
Iodide, 5 lb bot.....b	...	4.35
Lactate, tech. 500 lb bbls..b	...	.13%
Nitrate, 220 lb bbls. e/l NY..ton	...	40.00
Phosphate, precip. 350 lb bbls..b	.10	.12
Phosphate, precip. tribasic 350 lb bbls.....b	.12	.13
Phosphate, mono.....b	.06%	.07%
Sulfocarbonate, 100 lb kgs....b	.58	.60
Calomel, see Mercury	...	
CAMPOR, Amer. ref. 250 lb bbls.....b	...	.96
2 1/2 lb slabs, 100 lb ea.....b	...	.97
1 lb cakes, 100 lb ea.....b	...	.97%
1 oz. tab., 1 lb ctms.....b	...	1.01%
100 lb ea.....b	...	1.02
1/2 oz. tab., 1 lb ctms.....b	...	1.02
100 lb ea.....b	...	.90
Jap. ref. 2 1/2 lb slabs, 100 lb ea.....b	...	.92
1 oz. tab., 100 lb ea. 1 lb time.....b	...	1.00
1/2 oz. tab. 100 lb ea. 1 lb time.....b	...	1.02
Chinese ref. 2 1/2 lb slabs 100 lb ea.....b	...	.90
Crude, 100 lb ea.....b	.72	.73
Campor, Monobrom. 100 lb ea..b	1.90	1.95
Caramel, 50 gal. bbls.....gal	.60	.62
Carbazol, 250 lb bbls.....b	.75	.80
Carbon Bisulfide, 500 lb dr, lc/l NY..b	...	.06%
e/l drums, NY.....b	...	.05%
Carbon Black, 12 1/2 lb bags, 150-225 lb cases.....b	.18	.35

Carbon Tetrachloride, 1400 lb drs. NY.....b	...	.10%
Drums, e/l NY.....b	.09	.09%
700 lb drs. single NY.....b	...	.10%
Carmines, No 40 5 lb boxes.....b	4.50	4.60
Casein, edib. 100 lb keg.....b	.45	.50
Technical, 200 lb bbls.....b	.28	.30
Castoreum, 1 lb boxes.....b	4.00	4.50
Castor Oil, USP 50 gal. bbl.....b	...	.13
Cases, 30 lb 2 tins.....b	...	.14
Tech., see Fixed Oils	...	
Caustic Potash, see potash, caustic	...	
Soda, see soda, caustic	...	
Cerium Oxalate, USP 100 lb kgs..b	.48	.53
Chalk, drop 175 lb bbls.....b	...	.03%
Precip. light 175 lb bbls.....b	.04%	.04%
Precip. heavy 560 lb cks.....b	.02%	.04
Bulk.....ton	5.00	8.00
Precip. English, 7 lb bags.....b	.08%	.08%
Charcoal, Bone, see bone black	...	
Wood, powd. 100 lb bbl.....b	.04	.05
Willow, powd. 100 lb bbl.....b	.06	.07
China Clay, imp.....ton	16.00	22.50
Domestic, fob Mine.....ton	16.00	17.50
Chloral Hydrate, USP 100 lb drs..b	.75	.80
25 lb jars.....b	.78	.81
Chloroform, 170 lb cases.....b	.65	.75
Chloramine-T, 5 lb bot.....b	1.25	2.50
Chloroform, 5 lb bot.....b	.55	.75
Chlorhydrin, Ethylene anhyd., 600 lb drs.....b	.75	.85
40% soln. 100 lb cys.....b	.25	.30
CHLORINE, Liquid 3000 lb cyl. e/l wks.....b	.05%	.05%
Tank car lots wks.....b	.05%	.05%
100 lb cyl. e/l.....b	...	.08
100 lb cyl. lc/l wks.....b	.06%	.07
100 lb cyl. lc/l, ex-warehouse..b	...	.09
Chlorobenzene, mono. 1000 lb drs. wks.....b	.10	.11
Dr. e/l wks.....b	...	.09
Tank car lots wks.....b	...	.08
CHLOROFORM, USP 50 lb drs..b35
Second Hands, 650 lb drs.....b	.32	.34
Technical, 650 lb drums.....b	.33	.35



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Chemicals

Chromium Acetate, 20° soln. 400 lb bbls.08	: 1.10	COD LIVER OIL, Norwegian, 30 gal. bbls.	21.75	: 23.00	Cyanamide, bulk c/l wks. Amm. unit ...	: 3.25	
Fluoride, Powd. 400 lb bbls. ....	...	: .50	Newfoundland, 30 gal. bbls. bbl ...	...	: ...	DIAMINOPHENOL, 100 lb kegs.	: 3.80
Soln. 400 lb bbls. ....	...	: ...	Colchicine alk., USP 1 oz. vial.	: 30.00	: 30.00	Dianilidine, 100 lb kegs.	: 4.60
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial.	: 45.00	: 45.00	Dichlorobenzene, 1000 lb drs. ....	.08 : .07 1/2
Chrysarobin, USP 5 lb cans.	2.00	: 3.00	Collodion, USP 30 lb drums. ....	.22	: .23	Diethylamine, 850 lb drs. ....	.60 : .65
Cinchonidin alk., pvd. 100 oz. tins. ....	...	: .70	Flexible, USP 30 lb drums. ....	.27	: .28	Diethyl Phthalate, 25 lb cans. ....	.65 : .75
Crystal ...	...	: .75	COPPER, metal electrolytic c/l NY ...	...	: 17.37 1/2	Diethyl Sulfate tech. 50 gal. drs. ....	.20 : .25
Sulfate, 100 oz. tins. ....	.49 1/2	: .50	Lake, c/l NY.	17.50	: 17.62 1/2	CP drums ...	.40 : .50
Cinchonine, alk., pvd. 100 oz. tins. ....	...	: .38	Casting, c/l NY.	16.75	: 16.87 1/2	Digitalin, Pure, 1 oz. vial. ....	.75 : 8.25
Crystal ...	...	: .45	Carbonate, 400 lb bbls. ....	.19	: .19 1/2	Dimethylamine, 840 lb drs. wks. ....	.43 : .44
Sulfate, 100 oz. tins. ....	...	: .35	Cyanide, 100 lb drs. ....	.58	: .60	Dimethylsulfate, 100 lb drs. ....	... : .50
Cinnamic Alcohol, see Alcohol Cinnamic	...	...	Iodide, 5 lb bot. ....	...	: 5.65	Dinitrobenzene, 400 lb bbls. ....	.19 1/2 : .20
Cinnamic Aldehyde, 1 lb bot.	3.20	: 3.50	Oxide, 1000 lb bbls ton lots. ....	.18	: .19	Dinitrochlorobenzene, 400 lb bbls. ....	.19 1/2 : .20
Citral, 25 lb cans.	2.75	: 3.00	Sub-Acetate, verd. 440 lb bbls. ....	.35	: .37	Dinitronaphthalene, 350 lb bbls. ....	.32 : .34
Citrus Ointment, see Mercury	...	...	SULFATE, crys. 450 lb bbls. lb/l spot ...	6.65	: 6.90	Dinitrophenol, 350 lb bbls. ....	... : .40
Citronellal, 1 lb bot.	2.00	: 2.25	Carlota, bbls. f.o.b. NY. 100 lb ...	6.40	: 6.50	Dinitrotoluene, 300 lb bbls. ....	.19 : .21
Citronellol, 1 lb bot.	8.00	: 14.00	Imp. 550 lb cks.	5.75	: 6.00	Dionia, see Morphine, Ethyl
Cobalt metal, 100 lb kegs.	2.75	: 2.85	Powdered, 350 lb 5 bbls. ....	...	: .08 1/2	Diphenylamine, 250 lb bbls. ....	.48 : .54
Cobalt Oxide, 500 lb bbls. ....	...	: 2.10	Copperas, bulk c/l wks.	20.00	: 21.00	Diphenylchloride, 500 lb drums. ....	.85 : .90
10 lb tins 200 lb cans. ....	...	: 2.35	400 lb bbls. c/l wks. ....	...	: 25.00	Dover's Powder, USP 5 lb tins.	2.20 : 2.30
COCAINE alk., USP. 1 oz. vial. ....	...	: 11.00	200 lb bgs. c/l wks. ....	...	: 33.00	Duboisine Sulfate, 1 oz. vial. ....	... : 60.00
Hydrochloride, USP—1 oz. vials.	: 7.07	Powdered, bbls.	3.45	: 3.75	EARTH, Diatomaceous, see Kieselguhr
25 oz. ....	...	: 7.50	Corn Syrup, 42 deg. 50 gal. ....	...	...	Emetine, alk., 15 gr. vls. ....	... : 1.65
In 1/2 oz. vials. ....	...	: 7.50	bbls.	2.77	: 3.02	Hydchlde, USP 1 oz. vial. ....	... : 10.00
In crystals, granular, powder, or flaky crystals as desired.	...	...	43 deg. 50 gal. bbls.	2.82	: 3.07	15 gr. vials. ....	.75 : .80
Cocoa Butter, bulk, 200 lb bales. ....	.31	: .33	Corrosive Sublimate, see Mercury Bichloride	...	...	EPSON SALT, tech. 300 lb bbls. NY ...	... : 2.25
Fingers, cakes, etc. 12 lb bxs. ....	.36 1/2	: .37 1/2	Cotton Soluble, 100 lb bbls. wet. ....	.40	: .43	Bbls. c/l NY. ....	... : 2.10
CODEIN alk., 5 oz. cans 10 oz. lots ...	...	: 7.30	Coumarin, 25 lb tins.	4.50	: 4.75	100 lb bgs. c/l NY. ....	... : 1.85
Hydrobromide, 10 oz. ....	...	: 5.85	Second Hands ...	...	...	Imp., 220 lb bgs. c/l NY.	1.10 : 1.25
Hydrochloride, 10 oz. ....	...	: 6.55	CREAM TARTAR, USP 300 lb bbls. ....	...	: .26 1/2	USP, 300 lb bbls. 10 bbls. 100 lb ...	2.75 : 2.90
Nitrate, 10 oz. ....	...	: 6.55	Imp. powd. USP, 224 bbls. ....	.24	: .25	Carlota, bbls.	2.35 : 2.50
Phosphate, 10 oz. ....	...	: 5.50	Creosote, USP, 42 lb cys. ....	.40	: .45	Imported, 300 lb bbls.	2.35 : 2.50
Salicylate, 10 oz. ....	...	: 5.50	Creosote Oil, 50 gal. drs. ....	.20	: .22	Ergotin, Bonjean, 1 lb jars.	9.50 : 10.00
Sulfate, 10 oz. ....	...	: 5.55	Carbonate, 1 lb bot. 25 lb ...	1.60	: 1.75	Marine alk., 1 oz. vial. ....	... : 30.00
Small Sizes, 1/4 oz. vials, 50c extra, 1/2 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 oz. 15c oz. higher than above.	Creosol, USP, 400 lb bbls.25	: .27	Salicylate, USP 1 oz. vial. : 20.00	
						Sulfate, USP VIII, 1 oz. vial. : 15.00	

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The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

ETHER, USP 55 lb drums.....lb	.13	.15	Floorspar, 95% 220 lb bgs. ex dock.....ton	35.00	GLYCERIN, C. P. 550 lb drums.....lb	.18 1/2
Anaesthesia, 55 lb drums.....lb	.16		96% bgs.....ton	33.50	Cans, 50 lb.....lb	.20
USP, 1880 55 lb drums.....lb	.38		98% bgs.....ton	35.00	Dynamite, 1000 lb drs.....lb	.16 1/2
Washed, 55 lb drums.....lb	.30		FORMALDEHYDE, USP 400 lb bbls. c/l wks.....lb	.16	Saponification, tanks.....lb	.13 1/2
Motor, 1 lb cans.....lb	.26	.27	Carboys, 100 lb 1c/l wks.....lb	.16 1/2	Soap, Lye, tanks.....lb	.11 1/2
Ether, Nitrous, 1 lb bot.....lb	.92	.95	Bbls. 400 lb 1c/l wks.....lb	.14 1/2	Goa Powder, see chrysarobin	
Ethyl Benzyl Aniline, 300 lb drs.....lb	1.30		Second Hands.....lb	.15	Graphite, crude 220 lb bags.....ton	15.00
Ethyl Acetate, 99% 50 gal. drs. gal	.95	1.05	Fuller's Earth, 200 lb bgs. c/l mines.....ton	15.00	Flake, 500 lb bbls.....lb	.06
85-90% Ester, 50 gal. drs. gal	.85		Imported, 230 lb bags NY.....ton	35.00	Ground, lump, bbls.....lb	.04
Carlots, drums.....gal	.82		Fuel Oil, refined, 100 gal drs. gal	3.00	Gualacol Liquid, USP 25 lb cans.....lb	2.50
Tank Cars.....gal	.70		Crude, 100 gal drs.....gal	2.00	Benzoate, 1 lb bot.....lb	18.00
Pure, 5 lb bot.....gal	3.35	3.50	G. SALT, paste 350 lb bbls. basis 100%.....lb	.65	Carbonate, 5 lb boxes.....lb	4.25
Benzoate, 5 lb bot.....lb	1.85	2.00	Gelatin, USP silver bbl. 100 lb cs. lb	.85	HAARLEM OIL, Dom. 6 gr. cs. gross	3.50
Bromide 115 lb drs.....lb	.40		Gold Label, 100 lb cases.....lb	.60	Imported, 5 gr. cases.....gross	5.20
Butyrate, 5 lb bot.....lb	2.00	2.25	Technical, 100 lb cs.....lb	.60	Halazone, 5 lb bot.....lb	2.75
Chloride, 15 lb cyl.....lb	.35		Geranol, 50 lb cans.....lb	2.75	Heliotropin, 10 lb bot.....lb	1.75
Cinnamate, 1 lb bot.....lb	4.50	5.00	Geranyl Acetate, 1 lb bot.....lb	4.25	Hexamethylenetetramine, USP 100 lb drums.....lb	.90
Formate, 5 lb bot.....lb	.95	1.00	GLAUBER'S SALT, tech. 200 lb bags c/l wks.....100 lb	1.10	Imported.....lb	.75
Methyl Ketone, 50 gal. drums.....lb	.21	.21 1/2	350 lb bbls. c/l wks.....100 lb	1.25	Rubber Makers, Impalp. Pd. drs.....lb	.95
Morphine, see Morphine, Ethyl			Bbls. 1c/l wks.....100 lb	1.50	Homatropine Hydrobrom. USP 1 oz. vial.....oz	16.00
Valerate, 5 lb bot.....lb	4.50	4.75	Imported, bbls. spot.....100 lb	1.00	Five ozs., 1 oz. vials.....oz	15.00
Ethylene Bromide, 600 lb drs.....lb	.60		USP, 300 lb bbls. imp. sp. 100 lb	1.25	Hydrastine Alk., USP, 1 oz. vial.....oz	20.00
Glycol.....lb	.65	1.00	USP, 300 lb bbls. dom. sp. 100 lb	1.75	Hydchlde, USP, 1 oz. vial.....oz	20.00
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	.85	USP, 300 lb bbls. c/l wks. 100 lb	1.40	Sulfate, 1 oz. vial.....oz	22.00
40% Solution, 50 gal. bbls. lb	.25	.30	Glucose, (Grape Sugar) dry, 100 bags, c/l NY.....100 lb	3.09	Hydrastine Hydchlde, USP 15 gr. vials.....vial	2.40
Dichloride, 50 gal. drs.....lb	.20	.25	Syrup, Drs. & bbls, c/l NY 100 lb 1c/l NY.....100 lb	2.77	Hydrazobenzene, 100 lb kegs.....lb	1.30
Eucalyptol, 25 lb cans.....lb	.80	.85	GLUE, pure white, bbls.....lb	.30	HYDROGEN PEROXIDE, 35 vol. 400 lb bbls.....lb	.10
Eugenol, 25 lb cans.....lb	2.85	3.25	Medium white, bbls.....lb	.25	USP Soln. 375 lb bbls.....lb	.05 1/2
Feldspar, bulk.....ton	20.00	25.00	French, bbls.....lb	.18	USP bot. 4 oz. cases.....gross	8.00
FERRIC CHLORIDE, tech. crys. 475 lb bbls.....lb	.10		High Grade, bbls.....lb	.35	Bot. 8 oz. cases.....gross	11.75
Imported.....lb	.07		None, regular, bbls.....lb	.10	Bot. 16 oz. cases.....gross	19.75
USP, crys. 100 lb kegs.....lb	.10		Flab, bbls.....gal	1.50	Hydroquinone, 100 lb kegs.....lb	1.05
Imported.....lb	.09				Hyocine Hydrobrom. USP 1 oz. vial.....oz	21.00
Tech. Sol'n 40° 140 lb chys. lb	.06 1/2				Five ozs., 1 oz. vials.....oz	20.50
48°, 140 lb chys.....lb	.08					
USP Sol'n 125 lb chys.....lb	.06 1/2					
Ferrous Chloride, crys. tech. 475 lb bbls.....lb	.08	.06 1/2				
Ferrous Sulfide, 1000 lb bbls. 100 lb	2.50	3.00				
Flake White, see lead, white						



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Chemicals

Hyoscamine Alk. Cryst., 1 oz. vial.oz	...	35.00	LANOLIN, see Adeps Lanæ			Litharge, see lead oxide		
Alkaloid, Amorphous, 1 oz. vial.oz	...	75.00	LEAD, metal, c/l NY.....100lb	8.20	8.25	Lithium Carb. USP 100lb kgs..lb	1.50	1.50
Hydrobromide, USP 1 oz. vial.oz	...	60.00	Acetate, white crystals 500lb			Bromide, 100lb cs.....lb	1.70	1.80
Sulfate, 1 oz. vial.....oz	...	35.00	bbbs. wks. ....		.13 1/2	Citrate, USP 100lb kgs.....lb	1.80	1.70
INDOL, C. P. 1 oz. bot.....oz	8.50	9.00	100 to 250lb kgs. wks. lb		.14	Iodide, 5lb bot.....lb		5.40
Iodides, see Potass. Iodide, etc.			White, broken, bbbs. wks.100lb		12.90	Lithopone, 400lb bbbs. lc/l wks. lb	.07 1/2	.08
IODINE, crude, 200lb kgs.....lb	3.90	3.95	White, gran., bbbs., wks.100lb		13.15	Bbbs. c/l wks.....lb		.07
Resublimed, 10lb jars.....lb		4.55	White, powd., bbbs. wks.....lb		.14 1/2	Imported, bbbs. ....	.05 1/2	.05 1/2
Sulfate, USP, 50 gal. bbbs. gal	4.50	4.60	Kegs. wks. ....		.14 1/2	Litmus Cubes .....	.90	1.00
Carboys	4.75	4.85	Brown, broken, bbbs. wks.....lb		.12 1/2	MAGNESITE, crude		15.00
Iodoform, powd. 10lb bot.....lb		6.00	USP, 100lb kgs.....lb	.18	.20	Calcined, 500lb bbbs.....ton		55.00
Crystals, 10lb bot.....lb		7.00	Arsenate, 100lb bbbs. lc/l wks. lb	.25	.26	Magnesium mtl., sticks 100lb cs. lb	1.40	1.50
Ionone, (violet) 1lb bot.....lb	5.00	9.00	Bbbs. c/l wks.....lb	.21	.24	Carb. tech. 70lb bags NY.....lb	.07 1/2	.08
Iridium, metal 10oz lots.....oz		250.00	Paste, 600lb bbbs.....lb	.12	.13	75lb bbbs. NY.....lb	.08 1/2	.09
Iron, metal by hydrogen 1 lb bot. lb	.65	.70	Iodide, USP VIII 5lb bot.....lb	3.20	3.40	USP, 60lb bbbs.....lb	.10	.11
IRON & AMM. CITRATE, USP 25lb cans .....		.84	Nitrate, 500lb bbbs. wks.....lb		.23	USP, blocks 100lb cs. 1, 2, 4 ozs.	.19	.23
Green scales, 25lb cans.....lb		.84	Oxide, lithge. 500lb bbbs.100lb	10.90	11.15	Chloride, fused 575lb drs. c/l wks.		32.00
l'acodylate, 10lb bot.....lb	9.00	9.25	100lb kgs. wks.....lb		.14 1/2	Flaked, 350lb drs. wks.....ton		34.00
Citrate, USP VIII 25lb cans..lb		.90	Peroxide, 100lb drs.....lb		.26	Imp. fused 900lb bbbs. NY.ton	26.00	28.00
Chloride, see ferric or ferrous			White, basic carb. 500lb bbbs. wks. ....	.09 1/2	.10	Fluocillate, crystal 400lb bbbs. wks.		.15
Hypophosphite, 5lb cans.....lb	1.50	1.80	Bbbs. c/l wks.....100lb		.09 1/2	30% soln. 500lb bbbs. wks. lb	.07	.07 1/2
Syrup, USP VIII.....lb		.80	100lb kgs. wks.....lb		.14 1/2	Soln. bbbs. c/l wks.....lb		.06
Iodide, 1lb bot.....lb		4.20	White, sulfate 500lb bbbs. wks. lb	.09 1/2	.09 1/2	Glycerophosphate, 5lb tins.....lb		3.35
Syrup, USP 5lb bot.....lb	.35	.36	Bbbs. c/l wks.....100lb		9.25	Hypophosphite, 5lb cans.....lb		1.15
Nitrate, kgs .....	.09	.10	Licorice Ext. Mass, cases.....lb	.25	.26	Oxide, USP light 100lb bbbs. lb		.45
Com'l. bbbs. ....100lb	2.75	3.25	Compound powder, bbbs.....lb	.11	.13	USP, heavy 250lb bbbs.....lb		.50
Oxalate, scales 25lb cans.....lb	.80	.82	Powdered .....	.38	.40	Peroxide, 5lb cans.....lb		2.15
& Ammon. Oxalate, 25lb bxs..lb	.45	.50	Sticks, 1 oz. 100lb cases.....lb	.45	.50	Perborate, 1lb tins.....lb		2.25
& Potassium Oxalate, 25lb bxs. lb	.47	.48	LIME (Salts, see Calcium Salts)			Salicylate, 100lb kgs.....lb	.67	.70
& Sodium Oxalate, 25lb bxs..lb	.40	.42	Live, 325lb bbbs. ton lots, wks. lb		.01 1/2	Sulfate, see Epsom Salts		
Phosphate, USP 25lb cans..lb		.89	Single bbl. wks. ....		.01 1/2	Manganese Chloride, 600lb cs. NY	.09 1/2	.10
Pyrophosphate, USP 25lb cans .....	.90	.97	Hydrated, 167lb bbl, ton lots, wks. ....		.01 1/2	Borate, 200lb bbbs.....lb		.18
Iso-Eugenol, 1lb bot.....lb	4.25	5.00	Single bbl, wks.....lb		.01 1/2	100lb kgs.....lb		.19
JALAP RESIN, lump 5lb tins..lb	3.25	3.35	Oyster Shell, 150lb bbl, single. lb		.03	Dioxide, 80-84% 900lb bbbs. NY	80.00	85.00
Powd., tins	3.40	3.50	125lb bag .....		.08	85-90%, 900lb bbbs. NY.ton	85.00	90.00
KIESELGUHR, 90lb bags NY.....ton	60.00	70.00	Sulfur, gry 200lb drs. NY.....lb		.10 1/2	Hydrated, precip. 100lb kgs. lb	.32	.35
			Dra. c/l NY.....lb		.15			
			33° Soln. 50 gal. bbbs. NY.gal		7.00			
			Linalool, 5lb bot.....lb	7.00	7.25			
			Linalyl Acetate, 1lb bot.....lb	7.00	10.00			
			Benzoate, 1lb bot.....lb	13.00	14.00			

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Chemicals

Manganese—(continued)			METHANOL (Wood Alcohol)			NAPHTHA, Solvent, 110 gal. drs.		
Glycerophosphate, 5 lb. tins....	D	3.05	95% 50 gal. drms. ext....	gal	1.15	1.17	Wks. ....	...
Hypophos. USP VIII 5 lb. cans..	D	1.65	97% 50 gal. drms. ext....	gal	1.18	1.19	8000 gal. tank cars wks....	...
Iodide, 1 lb. bot.....	D	6.40	Pure, 50 gal. drms. ext....	gal	1.25	1.27		
Ore, bulk NY.....	unit	.30	Acetone free, 50 gal. drms. ext....	gal	1.30	1.40	NAPHTHALENE, Flake, 175 lb. bbls.	
Sulfate, 600 lb. cases NY.....	D	.10	Bbls. incl. 5c higher				Wks. ....	.07½
Marble Flour, bulk.....	ton	10.00	Methyl Acetone, 100 gal. drums....	gal	.75		Bbls. c/l wks. ....	.07
See also Calcium Carbonate			Tank cars	gal	.70		Bbls., second hands NY....	.09½
MENTHOL, USP, 60 lb. cases....	D	8.25	Anthrillate, 1 lb. bot.....	lb.	2.25		Balls, 250 lb. bbls. wks....	.08
Less cases, 5 lb. tins.....	D	8.40	Chloride, 90 lb. cyl.....	lb.	.50		Bbls. c/l wks. ....	.07½
MERCURY, metal, 75 lb. flask....	flask	70.00	Cinnamate, 1 lb. bot.....	lb.	4.00		Bbls., second hands, NY....	.10½
Less Flasks, 5 lb. jugs.....	D	1.02	Paracresol, 1 lb. bot.....	lb.	8.00		Crushed bgs. wks. ....	.05½
Bichloride, cryst. 25 lb. bxs..	D	1.17	Salicylate, USP, 50 lb. cases..	lb.	.62		Crude, imp., bgs. ....	.03½
Gran. powd., 200 lb. kegs..	D	1.02	500 lb. drums	lb.	.60			
Bisulfate, 25 lb. boxes.....	D	.86	Second Hands, cases.....	lb.			Nerolin, 1 lb. tins.....	1.75 : 2.00
Blue Mass, 25 lb. boxes.....	D	.62	Methylene Blue, tech. 100 lb. kgs.	lb.	1.00	1.50	Nickel Metal, electrolytic 100 lb.	
Powdered, 25 lb. boxes.....	D	.64	USP, medicinal 5 lb. cans....	lb.	2.25	2.60	kegs ....	.30
Blue Ointment, USP 25 lb. cans	D	.80	Miehler's Ketone, 225 lb. bbls..	lb.	3.75		Ingot, 100 lb. kegs.....	.25
50% USP, dilute 25 lb. cans 30%.	D	.62	Milk, powd. 150 lb. bbls.....	lb.	.14	.15	Salt, single 400 lb. bbls. NY..	.07½
33 1/3% Mercury.....	D	.67	Milk Sugar, see sugar of milk				Double, 400 lb. bbls. NY....	.08
Calomel, 50 lb. bxs.....	D	1.25	Mineral Oil, see oil mineral				Oxide, 100 lb. kegs NY.....	.40 : .42
Citrine Ointment 25 lb. jars..	D	.50	Monochlorobenzene, see chlorobenzene				Nitre Cake, bulk wks.....	6.50 : 8.00
Iodide, green 25 lb. jars.....	D	4.00	Monomethyl aniline, 800 lb. drs..	lb.	1.00		500 lb. bbls.	9.00 : 9.75
Red, USP 25 lb. jars.....	D	4.10	Monomethyl para-aminophenol sulfate				Nitrobenzene, crude 1000 lb. drs.	
Yellow, USP VIII 25 lb. jars..	D	4.00	100 lb. drs.	lb.	4.00		Wks. ....	.09½ : .10½
Red Precip. USP 25 lb. bxs....	D	1.38	MORPHINE Sulfate, USP 5 oz. tins				Redistilled, 1000 lb. drs. wks.	.10 : .11
Powder, USP 25 lb. bxs.....	D	1.48	10 oz.	oz.	5.35		Nitronaphthalene, 550 lb. bbls..	.20 : .21
White Precip. USP 25 lb. bxs..	D	1.49	Acetate, 5 oz. tins 10 oz. lots..	oz.	5.35		Nitrotoluene, mixed 1000 lb. drs.	
Powder, USP 25 lb. bxs.....	D	1.54	Hydrobromide, 5 oz. tins 10 oz.	oz.	5.35		Wks. ....	.14 : .15
With chalk, USP 25 lb. bxs....	D	.62	lots	oz.	5.35		Oil Fusel, see Fusel Oil	
Meta-Nitroaniline, 300 lb. bbls..	D	.78	Hydchlide, 5 oz. tins 10 oz.	oz.	5.35		OIL MINERAL, wh. 50 gal. bbls. gal	1.00 : 1.25
Meta-Nitro-para-Toluidine, 300 lb.			lots	oz.	5.35		Oil Mirbane, see nitrobenzene	
bbls.	D	2.25	Diacetyl Alk., ¼ oz. via. 10	oz.	8.95		Opium, see crude drugs	
Meta-Phenylenediamine, 300 lb.			oz.	oz.	8.10		Orange Mineral, 800 lb. cases NY..	.15½ : .16
bbls.	D	.98	Hydchlide, ¼ oz. via. 10 oz. os	oz.	8.10		500 lb. bbls. NY.....	.15½ : .16½
Meta-Toluylenediamine, 300 lb.			Ethyl Hydchlide, ¼ oz. via. 10	oz.	9.45		Ortho-Aminophenol, 50 lb. kegs..	2.50
bbls.	D	.95	oz.	oz.			Ortho-Anisidine, 100 lb. drs....	...
			Small Sizes: ¼ oz. vials, 50c extra;				Ortho-Dichlorobenzene, 1000 lb. drs.	
			¼* 25c extra; single oz. vls., 7c ex-				Wks. ....	.15 : .17
			tra, over price for 5 oz. tins. 25 oz.				Ortho-Nitrochlorobenzene, 1200 lb.	
			lots in 5 oz. tins, 10c oz. lower than				drs. wks. ....	.36 : .45
			above schedule. Less than 10 oz. lots				Ortho-Nitrophenol, 350 lb. 3 bbls. D	.90 : .95
			15c oz. higher than above schedule.					
			Musk Ambrette, 1 lb. cans.....	lb.	14.50	16.50		
			Ketone, 1 lb. cans.....	lb.	13.00	14.00		
			Xylene, 6 lb. cans.....	lb.	2.75	3.00		

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Ortho-Nitrotoluene, 1000 lb. drs. wks. D	.09 : .10	Para-Phenylenediamine, 350 lb. bbls. D	1.55 : 1.60	Phosphorus, red 110 lb. cs. wks. D	.50 : .55
Ortho-Toluidine, 350 lb. bbls. D	.14 : .16	Para-Toluene-Sulfonamide, 175 lb. bbls. D	.40 : .41	Imported, 112 lb. cases. D	.45
Oxgall, USP 5 lb. bot. D	2.00	Para-Toluene-Sulfonchloride, 410 lb. bbls. wks. D	.25 : .30	Yellow, 110 lb. cs. wks. D	.30 : .35
PALLADIUM, metal 10 oz. lots. D	51.00 : 53.00	Para-Toluidine, 350 lb. bbls. wks. D	.95 : 1.00	Imported, 112 lb. cases. D	.25 : .27 1/2
Pancreatin, USP 5 lb. bot. D	1.25 : 1.40	PARIS GREEN		Phosphorus Trichloride, 175 lb. cyl. wks. D	.35
Papain, 1 lb. bot. D	2.15 : 2.25	Arsenic Basic, 500 lb. kegs. D	.29 : .31	Phthalic Anhydride, 175 lb. bbls. D	.35 : .40
Paraffin, ref'd. 200 lb. cs. slabs		Kegs, 100 lbs. D	.33	Pilocarpine Hydrochloride, USP 25 oz. lots, 1 oz. vials. D	5.50
130-135 Deg. M. F. D	.03 1/4 : .03 1/2	Kits, 56, 28, 14 lbs. D	.35 : .37	Nitrate	5.50
135-139 Deg. M. F. D	.04 : .04 1/4	Packages, 5 and 2 lbs. D	.37 : .38	Single ounces. D	5.75
130-135 Deg. M. F. D	.04 : .04 1/4	Paris White, see whitening, French		Alkaloid, 15 gr. vls. D	.75
135-140 Deg. M. F. D	.05 : .05 1/4	Pepsin, USP 5 lb. bot. D	2.25 : 2.50	Piperazine Hydrate, 1 lb. bot. D	16.00
Para-Aminocetanilid, 100 lb. kegs. D	1.25 : 1.35	PETROLATUM, green 300 lb. bbls. D	.02 1/4 : .03	Pitch, Coal-Tar, wks. ton	30.00 : 33.00
Para-Aminophenol, 100 lb. kegs. D	1.25 : 1.50	Dark Amber, 300 lb. bbls. D	.03 1/4 : .04	Plaster Paris, tech. 250 lb. bbls. bbl	3.30
Hydrochloride, 100 lb. kegs. D	1.50	Light Amber, 300 lb. bbls. D	.04 1/4 : .05	True Dental, 300 lb. bbls. bbl	4.50
Para-Dichlorobenzene, 270 lb. bbls. wks. D	.17 : .20	Cream White, USP 300 lb. bbls. D	.07 : .07 1/4	Platinum, metal soft 10 oz. lots. D	110.00
Paraldehyde, 100 gal. drs. D	.35	Lily White, USP, 300 lb. bbls. D	.09 : .09 1/4	Podophyllin, 5 lb. bot. D	6.00 : 6.25
Paraformaldehyde, USP 100 lb. cs. D	.52 1/4 : .55	Snow White, USP, 300 lb. bbls. D	.13 : .13 1/4	Second Hands. D	6.50 : 6.00
Para-Nitrocetanilid, 300 lb. bbls. D	.50 : .55	PHENOL, see also acid carbolle		POTASH, CAUSTIC, solid 88-92% 700 lb. dra. wks. D	.08 1/4 : .08 3/4
PARA-NITROANILINE, 300 lb. bbls. wks. ton D	.74 : .75	Open market, 950 lb. drs. D	.50	Imp., 88-92% 700 lb. dra. NY. D	.08 1/4 : .08 3/4
Para-Nitrochlorobenzene, 1300 lb. drs. wks. D	.21 : .30	240 lb. des. drs. D	.50	USP, by alcohol 5 lb. cans. D	.46 : .48
Para-Nitro-ortho-Toluidine, 300 lb. bbls. D	2.75 : 2.85	Natural 240 lb. des. drs. wks. D	...	cases. D	.30 : .35
Para-Nitrophenol, 185 lb. bbls. D	.75 : .80	Imported, 236 lb. des. drs. D	...	POTASSIUM Acetate, USP 100 lb. kegs. D	.35 : .39
Para-Nitrosodimethylaniline, 120 lb. bbls. D	1.25 : 1.30	Phenolphthalein, USP 100 lb. drs. D	1.55 : 1.60	Bicarbonate, crys. 220 lb. bbls. D	.07 1/4 : .08
Para-Nitrotoluene, 350 lb. bbls. D	.55 : .65	5 lb. cans, 100 lb. lots. D	9.00 : 12.50	Bichromate, crys. 900 lb. cases wks. D	.11
Para-oxo-Benzaldehyde, 100 lb. kegs. D	1.50 : 1.60	Phenylacetaldehyde, C.P., 1 lb. bot. D	6.00 : 8.00	Powd., 900 lb. cases wks. D	.14
Para-Phenetidin, 500 lb. drs. D	1.55 : 1.80	50 p.c. D	...	Rinoxolite, 300 lb. bbls. D	.34 : .38
		Phenyl-Alpha-Naphthylamine 100 lb. kegs. D	7.50 : 9.00	Bisulfate, C.P. 5 lb. cans. D	.30
		Phenylethylalcohol, 1 lb. bot. D	9.50 : 12.00	100 lb. kegs. D	.32
		Phosgene, cylinders, wks. D	.60 : .62	Bromate, 100 lb. cs. D	.45
		Phosphorus Oxichloride, 175 lb. cyl. D	.35 : .40	BROMIDE, USP cryst. 450 lb. bbls. D	.36
				Granular, 300 lb. bbls. D	.36
				Cases, 100 lb. D	.37
				Imported, USP, 220 lb. cs. D	.16 : .18

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Chemicals

POTASSIUM—(Continued)

CARBONATE, 80-85% calc.		
800 lb cks.06	.06%
80-85%, hydrated, 800 lb. cks.07%	.08
90-95% casks ....	.06%	.06%
96-98% casks ....	.08	.08%
99% casks ....	.08	.08%
USP, 100 lb kegs. ....	.10	.11
Chlorate, crys. 112 lb kgs. c/l wks. ....	.08%	.08%
Imp. 112 lb kegs NY. ....	.07	.07%
Powd., 112 lb kegs wks. ....	.08%	.08%
Imp. kegs NY. ....	.07	.07%
Pyrotechnic, fine powd. NY. ....	.08	.09
USP, fine crys. 110 lb kegs NY. ....	.08	.09
Citrate, USP 10 lb cans. ....	.63	.66
Glycerophosphate, 75% soln. 25 lb tins.	1.65	1.70
Gualacol Sulfonate, 5 lb cans, 10 lb.	1.50	1.75
Hypophosphite, 10 lb cans. ....	...	.85
Iodide, USP, 100 lb cases.	3.75	3.85
Second Hands, cases. ....	...	3.65
Lactophosphate, 4oz bot. ....	...	.90
Metabisulfite, 300 lb bbls. ....	...	.23
Imp., 300 lb bbls. ....	.14	.16
Muriate, 80%, 200 lb bags, NY K ₂ O unit. ....	...	.70
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. ....	.40	.45
Perchlorate, 112 lb kegs. ....	.09	.10
Permangan., USP crys. 112 lb drs. ....	.27	.28
Prussiate, red, 100 lb bbls. ....	...	.85
500 lb casks ....	...	.80
Prussiate, yellow, 500 lb casks. ....	.37%	.38
Salicylate, 25 lb cans. ....	.70	.73

POTASSIUM—(Continued)

Sulfate, 200 lb bags, NY K ₂ O unit. ....	...	.95
USP, VIII, 100 lb kegs. ....	.18	.20
Sulfocyanide, CP 25 lb jars. ....	...	.70
Tartrate, neutral, 100 lb kegs. ....	...	.53
Titanium Oxalate, 200 lb bbls. freight allowed. ....	...	.35
Pumice Stone, lump, 250 lb bbls. ....	.04%	.06
Lump, bags. ....	.03%	.05
Powdered, 350 lb bbls. ....	.02%	.03
Pyridine, 50 gal. drums. ....	...	3.50
QUICKSILVER, see Mercury		
Quinidine Alk., 100oz tins. ....	.70	.75
Sulfate, 100oz tins. ....	...	.50
QUININE SULFATE, USP,		
American, 100oz tins. ....	...	.50
1oz tins, 100oz lots. ....	...	.57
Dutch, 100oz tins. ....	...	.50
Java, 100oz tins. ....	...	.50
Japanese, 100oz tins. ....	...	.50
QUININE ALK., USP, 100oz tins. ....	...	.67
Acetate. ....	...	.88
Arsenate. ....	...	.88
Benzoate. ....	...	.88
Bisulfate, USP. ....	...	.50
Citrate. ....	...	.63
Dihydrate, USP. ....	...	.66
Dibromide. ....	...	.66
Dicarbonate, 10oz tins.	2.50	
Ethyl Carbonate, 16 oz tins. ....	...	.95
Ferrocyanide. ....	...	.88
Formate. ....	...	.85
Glycerophosphate. ....	...	.88
Hydriodide. ....	...	.88
Hydrobromide, USP. ....	...	.62
Hydrochloride, USP. ....	...	.62
Hydrochlorosulfate. ....	...	.66

QUININE—(continued)

Hydride & Urea, USP. ....	...	.88
Hypophosphite. ....	...	.83
Lactate. ....	...	.78
Phenolsulfonate. ....	...	.88
Phosphate. ....	...	.74
Salicylate, USP. ....	...	.63
Tannate, USP. ....	...	.45
Tartrate. ....	...	.88
Valerate. ....	...	.89

Small Sizes: 1oz vials or cans, 50oz lots, 5c oz extra; 5oz cans, 50oz lots 3c oz extra; 25oz cans, 50oz lots, 2c oz extra; single 1oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz lots in 100oz cans. Smaller orders or containers extra as above schedule.

R SALT, 250 lb bbls. wks. ....	.55	.70
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcin, see resorcinol.		
Resorcinol tech. 100 lb kegs.	1.50	1.55
USP, 25 lb cans.	2.00	2.10
Rochelle Salt, USP, 225 lb bbls. ....	...	.21
Imp. USP, 300 lb bbls. ....	.19%	.20
Rosewater, triple, 5 gal. demis. ....	.90	1.10
Rotten Stone, lump imp., bbls. ....	.67	.68
Lump selected, bbls.69	.72
Powdered, bbls.62	.65
Domestic, bags, mines.	24.00	30.00



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SACCHARIN, USP, 1 lb cans, 25 lb			Soap, Castile, 40 lb bxs.....lb			SODIUM ACETATE, crys 450 lb bbls		
Soluble, USP, 1 lb cans, 25 lb. lb	1.90	: 2.00	Powd. USP, 250 lb bbls.....lb	.28	: .29	wks. ....lb	.06%	: .06%
Safrol, 60 lb cans .....lb	.55	: .60	Green, USP, 150 lb kegs.....lb	.07	: .07½	Ton lots, bbls. wks.....lb	...	: .07
Sal Ammoniac, see Ammon. Chloride			Soapstone, see Talc, crude			Imp. 500 lb casks.....lb	...	: .07
Sallein, USP, 1 lb cartons, 25 lb. lb	5.00	: 5.25	Prices on soda alkalis are based on actual percentages and net N. Y. & L. test.			Aluminum Sulfate, see alum soda.		
Salel, USP, 100 lb drums .....lb	.90	: .95	SODA ASH, 58% light bags NY			Benzoate, USP, 250 lb bbls.....lb	.84	: .70
Salt, Common, see sodium chloride.			flat, ex-warehouse ....100 lb	...	: 2.00	Bicarbonate, 400 lb bbls NY100 lb	...	: 2.25
Salt Cake, c/l f.o.b. wks.....ton	28.00	: 30.00	Bbls., ex-warehouse.100 lb	...	: 2.25	Bbls. c/l wks.....100 lb	...	: 2.00
SALTPETRE, Double Refined			Contract, Basis 48% bags c/l			112 lb kegs wks.....100 lb	...	: 2.25
Granular, 400-500 lb bbls.,			wks .....100 lb	...	: 1.20	112 lb kegs, NY.....100 lb	...	: 2.50
c/l wks. ....lb	...	: .06	Prompt and spot, Basis 48% bags			Bichromate, 600 lb casks wks..lb	.07½	: .07%
Less c/l works, bbls. ....lb	...	: .06½	c/l wks .....100 lb	1.25	: 1.30	Casks, c/l wks.....lb	...	: .07½
Large Crystals, 350-400 lb bbls.,			Soda Ash, 58% dense, bags ex-			Casks, NY .....lb	.08	: .08½
c/l wks. ....lb	...	: .07½	warehouse, NY .....100 lb	...	: 2.07	Risulfite, dry powder, 500 lb		
Small Crystals, 350-400 lb bbls.			Bbls., ex-warehouse.100 lb	...	: 2.30	bbls, wks .....lb	.04	: .04%
c/l wks. ....lb	...	: .07	Contract, Basis 48% bags c/l			Solution, 32-40°, 500 lb bbls		
Powdered, bbls. c/l wks.....lb	...	: .07	wks .....100 lb	...	: 1.25	wks .....100 lb	1.15	: 1.80
Imported, 500 lb bbls, NY.....lb	.06½	: .06%	Pmpt. and spot, Basis 48% bags			Bromide, USP, Cryst 500 lb bbls	...	: .25
Santonin USP, 1 lb bot.....lb	175.00	: 177.00	c/l wks .....100 lb	1.30	: 1.35	Cases, 100 lb .....lb	...	: .26
Powd, 1 lb bot.....lb	176.50	: 178.50	SODA, CAUSTIC, 76% solid, resale,			Imp. USP, 112 lb cs.....lb	.20	: .22
Saponin, ex Quillaja, 5 lb tins....lb	1.25	: 1.56	NY flat .....100 lb	3.50	: 3.60	Cacodylate, USP, 5 lb bot,		
Schaeffer's Salt, 250 lb bbls.wks..lb	.60	: .65	76% solid drs. ex-warehouse			25 lb .....lb	6.00	: 6.25
Scopolamine, see hyoscyne.			NY .....100 lb	...	: 3.70	Carbonate, sal soda, 350 lb bbls		
Seidlitz Mixture, 225 lb bbls....lb	.17	: .18	Contract basis 60% c/l wks			lc/l NY .....100 lb	1.30	: 1.35
SILICA			100 lb	...	: 2.50	Werks c/l .....100 lb	1.10	: 1.30
Crude, bulk, mines.....ton	10.00	: 12.00	Pmpt and spot, Basis 60%			Monohydrate, 400 lb bbl,		
Refined, floated, bags.....ton	18.00	: 30.00	c/l wks .....100 lb	2.57½	: 2.60	lc/l .....100 lb	...	: 2.45
Air floated, bags .....ton	22.00	: 50.00	Contract 60% low grade c/l			Pure photographic, 100 lb		
Extra, floated, bags.....ton	55.00	: 65.00	wks flat .....100 lb	...	: 2.65	keg .....lb	.08	: .09
SILVER, metal, American.....oz	...	: .99%	Ground & flake, 76% pmpt and			Chlorate, 112 lb kegs, wks...lb	.06½	: .07
Foreign .....oz	...	: .67½	spot, wks c/l drs.....100 lb	...	: 3.05	Imported, 112 lb kegs.....lb	...	: .07
Colloidal, 16oz bot.....oz	...	: 1.60	Contract, 76% drums, c/l wks			Chloride, tech 200 lb bags,ton	12.00	: 15.00
Silver Iodide, 16oz bot.....oz	...	: .68	flat .....100 lb	...	: 3.60	C. P. 300 lb bbls.....lb	.05	: .06
Nitrate, USP, 200oz bot.....oz	.43	: .43½	76% drs. ex-warehouse NY100 lb	...	: 4.15	Citrate, USP, IX, 100 lb kegs.lb	...	: .62
Nucleinate, 16oz bot.....oz	.32	: .37	USP, stick, 10 lb cans.....lb	.19	: .21	USP, VIII, 100 lb kegs...lb	...	: .55
Proteinate, 16oz bot.....oz	.34	: .39	Pure, stick, by alcohol.....lb	.25	: .27	Cyanide, 96-98%, 100 lb cases		
						wks. ....lb	...	: .23
						Ton lots, wks.....lb	...	: .23
						73-76%, 100 lb cases, wks..lb	...	: .20½
						Imp. 123%, 200 lb cases..lb	.21	: .22
						120%, cases .....lb	.19½	: .20
						Fluoride, 350 lb bbls, NY imp. lb	.09½	: .09%



Soda Ash

Modified Soda Bicarbonate of Soda

Caustic Soda Special Alkali

Textile Soda

Manufactured and Sold by

DIAMOND ALKALI COMPANY

GENERAL OFFICES • PITTSBURGH, PA.

Chemicals

SODIUM—(Continued)

Glycerophos, USP, crys 25 lb cans	1.70	: 1.75
Powder, 25 lb tins	1.75	: 1.80
Solution, USP 25 lb tins	1.00	: 1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb chys. lb .....	.05½	: .06
Hydrosulphite, 200 lb bbls, fob, wks. lb .....	.19	: .22
Hypophosphite, USP, 25 lb cans lb		: .75
HYPOSULFITE, tech. pea crys., 375 lb bbls. wks. 100 lb	3.50	: 3.75
Rbbs. c/l wks. 100 lb		: 3.25
100 lb kegs wks. 100 lb	3.75	: 4.00
Granulated, bbls. wks. 100 lb	3.75	: 3.90
Bbls. c/l wks. 100 lb		: 3.75
Kegs wks. 100 lb	4.20	: 4.50
Regular crystals 100 lb	2.75	: 3.00
Iodide, USP, 25 lb fars. lb		: 4.25
Metanilate, 150 lb bbls. lb .....	.55	: .60
Naphthionate, 300 lb bbls. lb .....	.60	: .62
Nitrate, crude, 95%, 200 lb bgs c/l NY		: 2.67½
Futures, NY		: 2.65
Double Refined, 400 lb bbls gran c/l wks. lb		: .04½
Nitrite, 500 lb bbls wks. lb .....	.09	: .09½
Bbls. spot, makers. lb		: .09½
Imp. 650 lb casks. lb .....	.08½	: .08½
Ortho-Chloro-para-Toluene Sulphonate, 175 lb bbls wks. lb .....	.25	: .27
Oxalate, neutral, 100 lb kegs. lb		: .47
Ferborate, 275 lb bbls. lb		: .24
Imp., 225 lb drs. lb .....	.18	: .19
Peroxide, 200 lb cases. lb .....	.25	: .27
Phosphate, di-sodium, tech 550 lb bbls. lb .....	.03½	: .03½
USP, gran. 275 bbls. lb .....	.07	: .07½
Imp. gran. .....	.05½	: .06
USP, recryst 275 bbls. lb .....	.10	: .11
Mono-sodium 100 lb kegs. lb .....	.24	: .26
Tri-sodium tech. c/l, bbls. lb .....	.04½	: .05
Picramate, 100 lb kegs. lb		: .60

SODIUM—(Continued)

Para-Toluene Sulphonate, 175 lb bbls .....	.08	: .09
PRUSSIAN, yellow, 450 lb cks. lb .....	.18½	: .18½
Pyrophosphate, 100 lb kegs. lb .....	.18	: .22
Salicylate, 100 lb kegs. lb .....	.57	: .58
Second Hands, USP, kegs. lb .....	.48	: .50
Silicate, 60° 700 lb bbls. f.a.s. NY		: 2.00
Works, 1000 lb drums. 100 lb		: 1.90
Works, tanks		: 1.75
40° domestic, 700 lb c/l f.o.b. wks. 100 lb		: .80
Works, 1000 lb drums. 100 lb		: .82½
Works, tanks		: .75
Spot, drums, bbls. 100 lb	1.25	: 1.50
Silicofluoride, 450 lb bbls NY. lb .....	.07½	: .08
Sulphate, see Glauber's Salt.		
Sulfide, 80% solid, 650 lb drs lb		: .05½
lc/l wks.		: .04½
Drs. c/l wks.		: .04
Imp, 700 lb drs NY. lb		: .05½
60% broken, 650 lb drs wks. lb		: .04½
Imp, 500 lb drs NY. lb		: .03
30% crys. 400 lb bbls wks. lb		: .02½
Imp., 400 lb bbls. lb		: .03½
Sulfite, crys, 400 lb bbls wks. lb		: .03½
Dassicated, 400 lb bbls. lb .....	.09½	: .10
Sulfocarbonate, USP, 100 lb kegs .....	.36	: .38
Sulfocyanide, 400 lb bbls. lb .....	.45	: .47
Tungstate, crys 100 lb kegs. lb		: .55
Dessicated, kegs		: .65
Solvent Naphtha, see Naphtha.		
Spartein Sulfate, USP, 250z bulk. oz .....	.60	: .70
Single oz. vial.		: .60
Starch, rice, 140 lb bags. lb .....	.09	: .10

STRONTIUM Bromide, USP, 100 lb

kegs		: .33
Carb. 600 lb bbls. wks. lb		: .07
100 lb kegs wks. lb		: .08
Iodide, USP, 25 lb fars. lb		: 4.00
Nitrate, 600 lb bbls. wks. lb		: .12
Imp, bbls. NY. lb		: .10½
Salicylate, USP, 100 lb kegs. lb		: .65
STRYCHNINE Alkaloid, USP, crys 1000s tins		: 1.15
Alk. powd, USP.		: 1.05
Acetate		: 1.05
Glycerophosphate, USP		: 1.05
Hydrobromide		: 1.05
Hydrochloride		: 1.05
Hypophosphite		: 1.15
Nitrate, USP		: 1.05
Phosphate		: 1.05
Sulfate, USP, crys powd.		: .84
Saccharinate		: 2.15
Strychnine preparations quoted bases 1000s lots in 1000s tins. Small Sizes: ¼ oz vials, 50c extra; ½ oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk, USP, 200 lb bbls. lb .....	.21	: .22
Second Hands, USP, bbls. lb .....	.23	: .24
Sulfonal, see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bbs. lb		: 3.50
Sulfonethylmethane, USP, bbs 5 lb		: 4.50
SULFUR, crude, bulk, c/l NY. ton		: 18.00
Crude, f.o.b. plant.	14.00	: 15.00
Brimstone, 250 lb bgs, c/l 100 lb	1.75	: 1.95
Less c/l bags NY	1.85	: 2.10
Roll, 500 lb bbls c/l NY. 100 lb		: 2.15
Less c/l bags NY. 100 lb	2.20	: 2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Rubbermakers 100%, 240 lb bbls, NY	2.60	: 3.15



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CAUSTIC SODA

CAUSTICIZED ASH
MODIFIED SODA

Chemicals

SULFUR—(continued)

Commercial, 99%, 150 lb bgs		
NY.....100 lb	1.35	1.85
For Disting, 99%, 100 lb		
bgs NY.....100 lb	2.00	2.50
Flowers, 100%, 240 lb bbls		
NY.....100 lb	3.00	3.55
Precipitated, 125 lb bbls NY.....	.14	.18
Lac, 125 lb bbls NY.....	.07	.19
Sulfur Chloride, red, 700 lb drs		
wks.....	.05	.08
150 lb chys wks.....		.08
Yellow, 700 lb drs wks.....	.05	.08
150 lb chys wks.....		.08
Sulfur Dioxide, 100 lb cyl.....	.08	.08 1/2
Iodide, USP, VIII, 5 lb bot.....		4.55
Sulfuric Ether, see Ether.		
Sulfuryl Chloride, 600 lb drs		.70
TALC, Italian, 220 lb bags NY.....	35.00	40.00
Refined, white, bags.....	42.00	55.00
French, 220 lb bgs NY.....	25.00	30.00
Refined, white, bags.....	32.00	45.00
Dom, crude, 100 lb bags NY.....	15.00	18.00
Refined, 100 lb bags NY.....	20.00	30.00
Tartar Emetic, tech. 700 lb bbls	.27	.27 1/2
USP, 300 lb bbls.....	.34 1/2	.35 1/2
Terpin Hydrate, USP, 100 lb kegs	.70	.72
Terpinol, CP 1000 lb drums.....	.53	.55
Cans, 50 lb.....	.58	.60
Imported, cans, 25 lb.....		1.00
Terpenyl Acetate, 25 lb cans.....	1.65	1.85
Terra Alba, No. 1, 300 lb bbls	1.85	1.90
No. 2, bbls.....	1.25	1.35
Theobromine Alk., 5 lb cans.....		6.00
and Sod. Salicylate, 1 lb bot.....		4.00
Thiocarbamid, 170 lb bbls.....	.28	.30
Thymol, USP, 10 lb cans.....	3.00	3.25
Iodide, 5 lb boxes.....		6.75
TIN, Metal Strips, NY.....	100 lb	47.75
American standard, NY.....	100 lb	46.50
99% American, NY.....	100 lb	45.50
C.P. mossy, 25 lb bxs NY.....		...

Tin—(continued)

Bichloride, 50% soln 100 lb		
bbls wks.....	.13 1/2	.14
Crystals, 500 lb bbls wks.....		.36 1/2
100 lb kegs, wks.....		.37
Oxide, 400 lb bbls wks.....		.52
100 lb kegs wks.....		.54
Tetrachloride, 1000 lb drs wks		.27 1/2
Tolidine, 350 lb bbls.....	.95	.97
Sulfate, 350 lb bbls.....		1.00
Toluene, 8000 gal tank cans, wks		.30
110 gal drs wks.....		.35
Toluidine, Mixed, 900 lb drs wks	.31	.32
Tribromophenol, 100 lb cases.....		1.00
Trional, see Sulfonethymethane.		
Triphenyl Phosphate, 450 lb bbls		.45
Tripoli, 500 lb bbls.....	100 lb	2.50
Tungsten NY.....	WO ₂ unit	8.50
UREA, pharm 112 lb cases.....		.40
VANILLIN, USP, 400 oz cans.....	.41	.41 1/2
Cans, 80 ozs.....		.41 1/2
Cans, 16 ozs.....		.42 1/2
Vermilion, Amer. 100 lb kegs.....		.35
English, kegs.....		1.30
Veratrine Sulfate, 1 oz vial.....		2.50
Hydrochloride, 1 oz vial.....		2.50
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/l wks	ton	18.00
Bags, 1 c/l wks.....	ton	20.00
Gilders, bags.....	ton	13.50
French, bags, NY.....	ton	18.00
English, bags, NY.....	ton	23.00
Witch Hazel Extract, 50 gal bbls	gal	1.20

XYLENE, 2° dist range, nitration	ths. wks.	...
110 gal. drs. wks.....	gal	...
5° dist. range, 8000 gal tanks	...	...
wks.....	gal	...
110 gal. drs. wks.....	gal	...
Commercial, 110 gal drs., wks.	gal	.34
Tanks, wks.....	gal	.29
Xylidine, 900 lb drs.....	lb	.47
YARA YARA, 1 lb tins.....	lb	2.00
Yohimbin Hydrochloride, 1 oz. vial.....	oz	5.00
ZINC, METAL, high grade, slabs		
c/l NY.....	100 lb	8.50
Common Slabs, c/l NY.....	100 lb	7.95
Mossy, 25 lb bxs NY.....		.18
Ammonium Chloride, powd., 400 lb		
bbls.....	lb	.07 1/2
Carb. tech, 150 lb kegs NY.....	lb	.14
USP, 100 lb kegs.....	lb	.30
Chloride, fused, 600 lb drs wks.....	lb	.07
Drs. c/l wks.....	lb	.05 1/2
Imp. drs NY.....	lb	.06
Granulated, 500 lb bbls wks.....	lb	.08
Imported, drs. NY.....	lb	.06
USP, 25 lb jars.....	lb	.30
Cyanide, 100 lb drs.....	lb	.42
Dust, 100 lb tins wks.....	lb	.09
500 lb bbls, kegs, c/l wks.....	lb	.09 1/2
500 lb bbls, kegs, c/l wks.....	lb	.08 1/2
Iodide, 5 lb bottles.....	lb	5.20
Nitrate, 25 lb jars.....	lb	.35
Oxide, Amer. 300 lb bbls wks.....	lb	.07 1/2
Bbls c/l wks.....	lb	.07 1/2
French, 300 lb bbls wks.....	lb	.09 1/2
Bbl c/l wks.....	lb	.09 1/2
Bags, c/l wks.....	lb	.09 1/2
USP, 100 lb bbls, c/l.....	lb	.15 1/2
Ton lots, wks.....	lb	.16 1/2
Imported, white seal, bbls.....	lb	.12 1/2
Green seal, bbls.....	lb	.10
USP, 100 lb bbls.....	lb	.16
Stearate, USP, 60 lb bbls.....	lb	.23
Sulfate, 400 lb bbls wks.....	lb	.03 1/2
Bbls c/l wks.....	lb	.02 1/2
USP, 100 lb kegs.....	lb	.08
Sulfocarbonate, 100 lb kegs.....	lb	.35

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GRANULATED OR POWDERED



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Oils and Fertilizers

Oils

Castor, No. 1, 400 lb bbls.....lb	.14	.14 3/4
80 lb cases.....lb	.15	.15 3/4
No. 3, bbls.....lb	.13 3/4	.14
Blown, 400 lb bbls.....lb	..	.15 3/4
China Wood, bbls, spot NY.....lb	.28	.30
8000 gal. tks. NY.....lb	..	..
May-June forward, tanks, NY.....lb	..	.27
Coast, tanks, Apr. forward.....lb	..	.23
Coconut Ceylon, 375 lb bbls. NY.....lb	.10	.10 3/4
8000 gal. tanks, NY.....lb	..	.09 3/4
Cochin, 375 lb bbls, NY.....lb	.10 3/4	.11
Tanks, NY.....lb	.09 3/4	.10
Manila, tanks, Coast.....lb	..	.08 3/4
Edible, bbls, NY.....lb	.11	.11 3/4
Cod Newfoundland, 50 gal. bbls. gal	.70	.72
Tanks, NY.....gal	.66	.68
Copra, bags.....lb	..	.06
Corn, ref. 375 lb bbls. NY.....lb	..	.13 3/4
Crude, tanks mills.....lb	.10 1/2	.10 3/4
Bbls, NY.....lb	.12 3/4	.13
COTTONSEED, crude tks. mills.....lb	..	.10 3/4
P. S. Y. 100 bbl. lots NY.....lb	..	.11 3/4
White, 100 bbl. lots NY.....lb	..	.12 3/4
Winter yellow, 100 bbls. NY.....lb	..	.12 3/4
Degras, Amer. 50 gal. bbls. NY.....lb	..	.04 3/4
Neutral, bbls. NY.....lb	.09	.14
Grease, choice white bbls, NY.....lb	.10	.10 3/4
Yellow.....lb	..	.08 3/4
Brown.....lb	..	.08 3/4
House.....lb	..	.08 3/4
Bone naphtha.....lb	..	.08 3/4
Herring, Tanks, Coast.....gal	..	..
Horse, 375 lb bbls. NY.....lb	..	.13 3/4
Lard, prime steam bbls.....lb	..	.13 3/4
Compound, bbls.....lb	..	.13 3/4
LARD OIL, Edible prime, bbls.....lb	..	.15 3/4
Off prime, bbls.....lb	..	.14 3/4
Extra, lbbls.....lb	..	.14
Extra No. 1, bbls.....lb	..	.13 3/4
No. 1 bbls.....lb	..	.13 3/4
No. 2 bbls.....lb	..	.12 3/4

LINSEED, raw c/l bbls. spot.....gal	..	..
Five bbls., raw.....gal	..	1.10
Boiled, 5 bbl. lots.....gal	..	1.13
Double boiled 5 bbl. lots.....gal	..	1.16
Raw, c/l bbls.....gal	..	1.10
Apr-May, c/l bbls.....gal	..	1.10
Imported, bbls., NY.....gal	..	1.05
Menhaden, crude, bbls, wks.....gal	..	..
Crude, tanks wks Balt.....gal	..	..
Light strained, tanks, NY.....gal	..	.73
Light strained, bbls, NY.....gal	..	.75
Yellow bleached, bbls, NY.....gal	..	.77
Blown, bbls, NY.....gal	..	.83
Neatsfoot, 20° c.t. bbls. NY.....lb	.18 3/4	.20
30° cold test, bbls. NY.....lb	.13 3/4	.15 3/4
Prime, bbls, NY.....lb	..	.14 3/4
Gleo Oil, No. 1, bbls. NY.....lb	.14	.14 3/4
No. 2, bbls., NY.....lb	.11 3/4	.12
No. 3, bbls., NY.....lb	.10 3/4	.10 3/4
OLIVE, denatured bbls. NY.....gal	1.15	1.17
Edible, bbls, NY.....gal	1.80	2.20
Foots, bbls, NY.....lb	..	.09 3/4
Shipment.....lb	..	.09
Palm Lagoon, 1500 lb casks.....lb	.08 3/4	.08 3/4
Niger, casks.....lb	.08 3/4	.08 3/4
Bonny old Calabar, casks.....lb	..	..
Palm Kernel, 1500 lb casks NY.....lb	.09 3/4	.09 3/4
Peanut, refined bbls, NY.....lb	.17	.17 3/4
Crude, mills buyers' tks.....lb	..	..
Crude, bbls, NY.....lb	..	.15
Apr. Arriv. f.o.b., NY bbls.....lb	.15 3/4	.16 3/4
Perilla, bbls, NY.....lb	..	..
Apr-May, ship. bbls, NY.....lb	.15 3/4	.16
Poppseed, bbls, NY.....gal	..	2.50
Rapeseed, refined bbls, NY.....gal	.85	.86
Blown, bbls., NY.....gal	..	1.05
Red Oil, distilled, bbls.....lb	.11 3/4	.12 3/4
Saponified, bbls.....lb	.11 3/4	.12 3/4
Salmon, 8000 gal. tks. Coast.....gal	..	..
Sesame, domestic edible bbls.....gal	..	1.20
Sod Oil, bbls. NY.....gal	..	.45

SOYA BEAN, crude tks. Coast.....lb	.10 3/4	.10 3/4
Crude, Tks. D.P., NY.....lb	.10 3/4	.11 3/4
Crude, bbls, NY.....lb	.12 3/4	.13 3/4
Refined, bbls, NY.....lb	.13 3/4	.13 3/4
Sperm, 38° c. t. blechd. bbls. NY.....gal	..	1.09
45° cold test, blechd. bbls. NY.....gal	..	1.04
STEARIC ACID, s. p. 200 lb bags.....lb	..	.12 3/4
Double pressed, bgs.....lb	.14 3/4	.15
Double pressed, bgs., saponified.....lb	.14 3/4	.15
Triple pressed, bgs., distilled.....lb	.16	.16 3/4
Triple pressed, bgs., saponified.....lb	.16	.16 3/4
Stearine, oleo, bbls.....lb	..	.11
Lard, bbls.....lb	..	.13
Tallow, edible, tiercos.....lb	.10 3/4	.10 3/4
City extra, loose.....lb	..	.09
Tallow Oil, acidless tks, NY.....lb	..	.11 3/4
Bbls., c/l NY.....lb	..	.13 3/4
Teaseed, crude bbls. NY.....lb	..	..
Walnut, crude bbls, NY.....lb	.13	.13 3/4
Whale, nat. winter bbls, NY.....gal	..	.75
Blehd. winter bbls, NY.....gal	..	.80
Extra Blehd. bbls, NY.....lb	..	.82
Crude, No. 1, tanks Coast.....lb	..	..
Crude, No. 2, tanks Coast.....lb	..	..
Crude No. 3, tanks Coast.....lb	..	..

Fertilizer Materials

Ammon. Sulf. bulk wis.....100 lb	..	3.50
Double bgs. f.a.s. NY.....100 lb	4.10	4.20
Blood, dried f.o.b. NY.....unit	..	4.75
Bone, 3 & 50 ground raw.....ton	..	32.00
Raw, Chicago.....ton	..	30.00
Cyanamide wks.....unit	2.20	2.25
Fish Scrap, dried wks.....unit	5.35	5.10
NITRATE SODA, NY.....100 lb	..	2.62 3/4
Phosphate Rock, f.o.b. mines.....ton	..	3.00
Florida pebble, 68-78%.....ton	3.00	3.25
Tennessee, 70-75%.....ton	..	10.00
Phosphate Acid, 16% Bulk wis.....ton	..	.68
Potassium Muriate, 80%.....unit	..	.93
Sulfate.....unit	..	35.00
Steamed Bone Meal, NY.....ton	4.50	4.10
Tankage, ground NY.....unit	4.50	4.10
High grade, f.o.b. Chicago.....unit	4.50	4.10



Tannins and Dyestuffs

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.	gal	1.57
Wood Turpentine, stm. distd. bbls.	gal	1.43
Destructive distilled, bbls.	gal	1.13
Pitch, prime	bbl	6.00
Rosins. (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		6.50
B	280 lb	6.20
D	280 lb	6.30
E	280 lb	6.30
F	280 lb	6.30
G	280 lb	6.30
H	280 lb	6.30
I	280 lb	6.30
K	280 lb	6.35
M	280 lb	6.40
N	280 lb	6.75
WG	280 lb	7.00
WW	280 lb	8.00
Rosin Oil, first run, 50 gal. bbls.	gal	.47
Second run, bbls.	gal	.49
Tar, kiln-burnt	bbl	12.50
Retort	bbl	13.50

Woods

Barwood, chips	b	.04½	.05
Camwood, chips	b	.09	.13
Divi Divi, pods 100-200 lb bags.	ton	35.00	38.00
Fustic, sticks	ton	30.00	35.00
Chips	b	.04	.06
Hemlock, bark	ton	16.00	18.00
Hyperic, chips	b	.08½	.07
LOGWOOD, sticks	ton	28.00	30.00
Chips 150 lb bags	b	.02½	.03
Mangrove bark, African	ton		35.00
Bark, South American	ton	25.00	30.00

Myrobalans, 150 lb bags J1	ton	30.00
B1	ton	26.00
R2	ton	20.00
Nutgalls, see Crude Drugs		
Oak bark, whole	ton	20.00
Ground	ton	25.00
Quercitron bark, rough	ton	10.00
Ground	ton	20.00
Sumac, Sicily, 180 lb bags	ton	57.00
Virginia, 150 lb bags	ton	35.00
Valonia Caps, 25-35% tan	ton	31.00
Beard, 40% tan, 150 lb bgs.	ton	48.00
Wattle bark, 150 lb bags	ton	38.00

Extracts

Range of prices includes quality range for large quantity.

Anatto, fine	b	.26	.29
Archil, double 600 lb bbls.	b	.16	.18
Triple, 600 lb bbls.	b	.17	.19
Conc., 600 lb bbls.	b	.18	.20
Chestnut, clarified, 25% tks. wks.	ton		2.00
Bbls, wks	b	.02½	
Powd., 60% 100 lb bbls.	b	.05½	.05%
Decolorized, bbls. wks.	b	.09	.09½
Cudbear, English	b	.21	.23
Cutch, Rangoon, 100 lb bales.	b	.13	.16
Borneo, solid, 100 lb bales.	b	.04½	.05½
Liquid, 450 lb bbls.	b	.10	.11
Tablets, 120 lb boxes.	b	.13	.14
Flavine	b	.90	.95
Fustic, solid 50 lb boxes.	b	.14	.18
Crystals, 100 lb boxes.	b	.22	.24
Liquid, 51° 600 lb bbls.	b	.10	.14
Gal extract	b	.16	.18
Gambier, 25% liq. 450 lb bbls.	b	.08½	.09½
Common, 200 lb cases.	b	.05½	.05%
Singapore cubes, 150 lb bags.	b	.07	.07½
HEMATINE, Paste, 500 lb bbls.	b	.11½	.13½
Crystals, 400 lb bbls.	b	.18	.20
Hemlock, 25% 600 lb bbls. wks.	b	.03½	.03%
Hyperic, 51° 600 lb bbls.	b	.15	.20
Indigo, Madras bbls.	b	.85	.90
Manilla, bbls.	b		1.30

Larch, 25%, 600 lb bbls, wks.	b	.03½	.03%
Powd. 100 lb bags, wks.	b	.07½	.08
Logwood, 51°, 450 lb bbls.	b	.07½	.12%
Solid, 50 lb boxes.	b	.15	.21
Madder, Dutch	b	.28	.30
Mangrove, 55% 400 lb bbls.	b	.05½	.05%
Myrobalans, 25% liquid bbls.	b	.04	.05
50% solid, 50 lb boxes.	b	.04½	.05
Oak, tanks wks.	b	.04½	.04%
23-25% liq. 600 lb bbls. wks.	b	.05	.05%
Osage Orange, 50° liquid.	b	.07	.08
Powd. 100 lb bags.	b	.15	.16
Peruvian Berries	b	.27	.30
QUEBRACHO, 35% liquid tks.	b	.03½	.03%
450 lb bbls.	b		.04%
35% bleaching, 450 lb bbls.	b	.04½	.05%
Solid 65% 100 lb bales.	b	.04%	.05%
Clarified bales	b		.06
Quercitron, 51° 450 lb bbls.	b	.06½	.07½
Powdered, 100 lb boxes.	b	.09	.13
Spruce, 25% liquid tanks wks.	b	.01	.01½
Powd. 50% 100 lb bags wks.	b	.02	.02½
Sumac, Liquid 450 lb bbls.	b	.07	.09

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs.	b		.88
Blood, domestic, 100 lb ds.	b		.45
British Gum, 140 lb bags c/l 100 lb	b	3.74	3.94
Bags lc/l	b	3.84	4.04
Dextrin, corn 140 lb bags c/l 100 lb	b		3.39
Bags, lc/l	b		3.49
Yellow, bags, c/l	b		3.44
Potato 140 lb bags c/l	b		.07
Bags, lc/l	b	.07½	.08½
Prussian blue	b	.60	.62
Sage Flour, 150 lb bags	b	.04½	.05
Spray Yolk 150 lb cs.	b	.35	.45
STARCH, powd. 140 lb bgs. c/l 100 lb	b		2.92
Bags lc/l	b	2.72	2.82
Pearl, 140 lb bags c/l	b	.05	.05½
Potato, domestic, 200 lb bags.	b		.06½
Imported, bags duty paid.	b	.06½	.06%
Tapioca Flour, high grade bags.	b	.06½	.06%
Medium grade, bags.	b	.04½	.04%
Low grade, bags.	b	.11	.12
Turkey Red Oil, bbls.	b		.35
Yolk Oil, bbls.	b		

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Crude Drugs

Acetoides Gum, yel.,18	: .20
ACONITE Leaves, bales.....	.16	: .17
Aconite Root, USP, bags.....	.35	: .40
Agar Agar, 1, 200 lb bales.....	...	: 1.05
No. 2, bales.....	...	: 1.65
No. 3, bales.....	...	: 1.55
Agaric, white, cases.....	...	: ...
Almonds, bitter bags bxs.....	.32	: .35
Sweet, bags.....	.45	: .48
Meal, tins, boxes.....	.28	: .30
Aletris Root, bags.....	.60	: .62
Alkanet Root, bags.....	.08	: .10
Alces, Barbados, 120 lb bbls.....	.70	: .75
Cape, 400 lb cases.....	.09½	: .10
Curacao, 100 lb cases.....	...	: .09
Socotrine, whole 100 lb cs.....	.30	: .32
Althea Root, cut cases.....	.15	: .18
Whole bags.....	.09	: .10
Ambergris, black boxes.....	...	: 8.00
Grey, boxes.....	...	: 28.00
Ammoniac, tears, bags.....	1.35	: 1.40
Angelica Root, dom. bags.....	.14	: .15
Angostura Bark, bags.....	.14	: .15
Anise, Levant bags.....	.17	: .17½
Star, cases.....	.14½	: .15
Spanish, bags.....	.27	: .29
Anatto Seed, bags.....	.06	: .07
ARABIC GUM, 200 lb cases.....	.26	: .27
Seconds, 250 lb bags.....	.22	: .24
Sorits, amber, 200 lb bags, bbls.....	.15½	: .16
Powd., USP, 300 lb bbls.....	.22	: .23
Arca Nuts, 150 lb bags.....	...	: .09
Powd., 200 lb bbls.....	...	: .12
Arnica Flowers, bales.....	.10	: .11
Root, bags.....	.20	: .22
Arrowroot, Amer. powd. bbls.....	.05½	: .06
St. Vincent, powd. bbls.....	.14	: .15
Asafetida, USP, 250 lb cases.....	.32	: .35
Powd., 50 lb bxs.....	.55	: .60
BALM GILEAD BUDS, bags.....	.44	: .45
Balmory Herb, bales.....	...	: .14

BALSAMS

Copaiba, Para, 80 lb cs.....	.23	: .25
South American, 80 lb cs.....	.28	: .29
Fir Canada, cans.....	12.00	: 13.00
Oregon, bbls., cans.....	...	: 3.00
Peru, 120 lb cases.....	1.80	: 1.85
Tolu, 90 lb cases.....	.85	: .90
Bamboo Brier Root, bags.....	.08	: .07
Barberry Bark, free bales.....	.22	: .24
Bayberry Bark, bales.....	.10	: .13
Wax, bbls.....	.40	: .42
Belladonna Leaves, bales.....	.17	: .18
Root, bags.....	.12	: .13
Bees Wax, white bbls.....	.36	: .37
Yellow, refined bbls.....	.23	: .26
Crude, bags.....	.20	: .22
Benzoin Gum, Siam, boxes.....	1.10	: 1.15
Sumatra, 80 lb boxes.....	.30	: .32
Berberis Aquifolium Root, bags.....	.16	: .17
Beth Root, bags.....	.18	: .20
Blackhaw Bark, root, bales.....	.41	: .43
Tree, bales.....	.25	: .26
Blood Root, bags.....	.13	: .15
Blueflag Root, bags.....	.23	: .25
Boldo Leaves, bales.....	.20	: .21
Boneset Herb, bales.....	.08	: .10
Borage Flowers, bales.....	.25	: .27
Bryonia Root, bags.....	.10	: .11
BUCHU LEAVES, short, 250 lb bales.....	.90	: .95
Less, bales.....	.95	: .97
Long, bales.....	...	: ...
Buckthorn Bark, bales.....	.07	: .08
Burdock Root, bags.....	.20	: .22
Burgundy Pitch, dom. 110 lb stands.....	...	: .05
Gross for net.....	.13	: .14
Calabar Beans, bags.....	.42	: .47
Calamus Root, bleached cases.....	.07	: .08
Unbleached, bags.....	...	: .30
Calendula Petals, imp. bales.....	.16	: .18
Calisaya Bark, bags.....	...	: ...
Camphor, see Chemicals.....	...	: ...
Canary Seed, Morocco bags.....	.06	: .06½
South American, bags.....	.05	: .05½
Candella Wax, bags.....	.27	: .30
Canella Alba Bark, bales.....	.52	: .55
Cannabis, true imp. bags.....	...	: 5.75
American (no assay) bales.....	.90	: 1.00

Cannabis, USP, bales.....	...	: 2.00
Cantharides, Chinese cases.....	1.05	: 1.10
Powd., boxes.....	1.35	: 1.35
Cantharides, Russian, cases.....	1.75	: 1.90
Powdered, boxes.....	1.90	: 2.00
Caraway Seed, African bags.....	...	: ...
Dutch, 110 lb bags.....	.31	: .32
Cardamom bleached cases.....	1.40	: 1.75
Decorated, cases.....	1.15	: 1.25
Green, grinding, bags.....	1.05	: 1.10
Cassia Wax, Fir, bags.....	.45	: .48
No. 1 N Country bags.....	.40	: .43
No. 2 N Country bags.....	.23	: .25
No. 3 Fatty Gray, bags.....	.20	: .21
No. 3 Chaiky, bags.....	.16½	: .17
Cascara Amara, 150 lb bales.....	.30	: .32
Cascara Sagrada, bales.....	.14	: .14½
Cascarella Bark, quills bales.....	.30	: .35
Siftings, bbls.....	.20	: .25
Cassia Buds, 66 lb cases.....	.15	: .16
China, select, mats cases.....	.06½	: .08
Saigon, assort. bales.....	.24	: .27
Cassia Fistula, baskets.....	...	: .12
Castor Beans, bags.....	.03	: .03½
Castoreum, 1 lb bot.....	4.00	: 4.50
Catechu Gum, bags.....	.09	: .10
Catnip Herb, bales.....	.12	: .15
Celery Seed, 220 lb bags.....	.23	: .23½
Ceresin Wax, white bags.....	.08½	: .09
Yellow, 200 lb bags.....	.07½	: .08
CHAMOMILE FLOWERS, Roman bales.....	1.20	: 1.25
Hung. cases bales.....	.16	: .18
Charcoal Willow, powd. bbls.....	.06	: .06½
Wood, powd. bbls.....	.04	: .05
Chestnut Bark, bags.....	.07	: .08
Herb, bales.....	.06	: .06½
Chicle Gum, bags.....	.80	: 1.00
Chiretta, bales.....	.13	: .14
Cinchona Bark, red quills bales.....	.50	: .55
Broken, bales.....	.16	: .17
Cinnamon, Ceylon, bales, bond.....	.20	: .22
Civet, Abyssin horns.....	2.75	: 3.75
Clover Tops, bags.....	.09	: .10
Cloves, Zanzibar, 135 lb bales.....	.26½	: .27
Amboyas, bales.....	...	: ...
Penang, bales.....	...	: ...

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Cochineal, USP boxes.....D	.40	: .45	Dogwood Bark, Jamaica bags....D	.11	: .12	Grindella Robusta Herb, bales....D	.09	: .10
Coca Leaves, Huancayo bags.....D	...	...	Flowers, bales.....D	...	.15	Gualac Gum, 80 lb cases.....D	.40	: .42
Truxillo, bags.....D	.40	: .45	Doggrass Root, USP, cut bags....D	.12	: .14	Guarana, tins, cases.....D	.60	: .75
Cochos Root, Black bags.....D	.09	: .09½	Dragons Blood, mass cases.....D	.60	: .62	GUM, see Arabic Gum, etc.		
Blue, bags.....D	.09	: .09½	Reeds, boxes.....D	...	1.40	MELLEBORE ROOT,		
Colchicum Root, bags.....D	.08	: .09	ECHINACEA ROOT, bags.....D	.33	: .34	Black, pwd. bbls.....D	...	.14
Seed, bags.....D	.11	: .12	Elecampane Root, bags.....D	.09	: .10	White, bags.....D	.12	: .14
Colombo Root, whole bags.....D	.02	: .04	Elder Flowers, bales.....D	.20	: .22	Powdered, 250 lb bbls.....D	.16½	: .17½
Colocynth, apples, cases, bales....D	.17	: .22	Elemi Gum, 89 lb cases.....D	.10	: .11	Helonias Root, (unicorn false)		
Pulp, USP, bales.....D	.55	: .57	Elm, select, 5 lb bundles cases...D	.25	: .27	bags.....D	...	.68
Coltsfoot Leaves, bags.....D	.08	: .07	Grinding, bags.....D	.10	: .12	Hemp Seed, Manchurian bags.....D	.03½	: .04
Comfrey Root, bags.....D	.13	: .14	Powdered, bbls.....D	.16	: .17	Chilian, bags.....D	...	...
Condurango Bark, bales.....D	.14	: .15	ERGOT, 150-200 lb bags.....D	.52	: .55	Henbane Leaves, bales, U.S.P....D	.40	: .45
Conium Seeds, bags.....D	...	: .16	Eucalyptus Leaves, bales.....D	...	.05	No assay.....D	.34	: .36
Copaiba Balsam Para, see Balsams			Euphorbia Pilulifera Herb, bags...D	...	.20	Henna Leaves, bales.....D	.16	: .18
Copal Gum.....D	.12	: .15	Powdered, boxes.....D	...	.40	Powdered.....D	.22	: .23
Coriander Seed, Bombay bags....D	.10	: .11	Fennel Seed, French, bags.....D	.17½	: .18	Hope, Calif., 120 lb cases.....D	.10	: .10½
Morocco, bags.....D	.11	: .12	German, bags.....D	.21	: .22	Hope, N. Y. prime bales.....D	.18	: .20
Bleached, bags.....D	.14½	: .15	Flax Seed, whole 180 lb bbls....ea	...	12.25	Pacific Coast prime bales.....D	.16	: .18
Corn Silk, bales.....D	.05	: .05½	Ground, 180 lb bbls.....D	.08½	: .07	Horhound Herb, bales.....D	...	.11
Cotton Root Bark, bales.....D	...	.15	Foenugreek Seed, 200 lb bags...D	...	.08	Horsetail Rush, bags.....D	...	.15
Cramp Bark, so-called bales.....D	...	.08	Fish Berries, 100-125 lb bags....D	.03½	: .04	India Gum, see Karaya		
True, bags.....D	...	.40	Fringe Tree Bark, bags.....D	.17	: .18	INSECT FLOWERS, open whole		
Cranebill Root, bags.....D	.10	: .11	GALANGAL ROOT, bags.....D	.08	: .09	bales.....D	...	...
CUBES BERRIES, XX bags.....D	.82½	: .85	Gambier Gum, bags.....D	.11½	: .12	Closed whole, bales.....D	...	...
Powdered, boxes.....D	...	.85	Galbanum Gum, cans.....D	1.20	: 1.35	Powdered, pure 200 lb bbls....D	.70	: .75
Culvers Root, bags.....D	.28	: .30	Gamboge Gum, 160 lb cases.....D	1.08	: 1.20	Flowers and stems, 50 p. e.		
Cumin Seed, Levant bags.....D	...	.30	Gelsemium Root, bags.....D	.11	: .11½	200 lb bbls.....D	.42	: .45
Morocco, bags.....D	.28	: .30	Gentian Root, bags.....D	.09	: .09½	Ipecac Root, Cartagena, bags....D	...	1.90
Cuttlefish Bone, Trieste, straps...D	.17	: .19	Ginger, African, bags.....D	.15½	: .16	Powdered, 200 lb bbls. boxes...D	...	2.00
Jewellers, large, straps.....D	...	.55	Jamaica, grinding, bags bbls...D	.37	: .44	Rio Whole, bags.....D	...	1.90
Small, straps.....D	...	.35	Japan, bags.....D	...	.15½	Powdered, 200 lb bbls. boxes...D	2.10	: 2.20
French, straps.....D	.17	: .19	Cochin. ABC & lemon, bags....D	.15½	: .16	Isinglass, American, 130 lb ea...D	.65	: .70
Powdered, boxes.....D	...	.13	Gioseng Root, cultivated, bags...D	8.00	: 10.00	Russian, (Beluga) bxs etcs....D	...	10.00
Broken, boxes.....D	.07	: .08	Northwestern Wild, bags.....D	14.00	: 15.00	JABORANDI LEAVES, bales.....D	.20	: .22
Damar Gum, 136 lb cases.....D	.32	: .34	Southern Wild, bags.....D	10.00	: 12.00	Jalap Root, whole 150 lb bags...D	.35	: .40
Damiana Leaves, bales.....D	.11	: .12	Golden Seal Root, bags.....D	3.20	: 3.25	Powdered, USP 250 lb bbls....D	.40	: .42
Dandelion Root, Imp., bags.....D	.16	: .17	Powdered, boxes.....D	3.55	: 3.65	Japan Wax, 224 lb cases.....D	.14½	: .15
Deer Tongue Leaves, bales.....D	.07½	: .08	Grates of Paradise, bags.....D	.12	: .14	Job's Tears, white bags.....D	.08	: .09
Digitalis Leaves, bales.....D	.06½	: .08				Juniper Berries, 125 lb bags....D	.03	: .03½
Dill Seed, bags.....D	.09½	: .10				KAMALA, boxes.....D	2.60	: 2.75

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LADY SLIPPER ROOT, bags....lb	.50	.52	Musk, pods Cabardine, tins....oz	16.00	17.00	Patchouli Leaves, bales.....lb	.22	.25
Larispur Seed, bags.....lb	.39	.41	Tonquin.....oz	22.00	25.00	Pepper, black Sing, bags.....lb	.10 1/2	.11
Laurel Leaves, bales.....lb	.04 1/2	.05	Grain Cab.....oz	25.00	28.00	White, bags.....lb	.14	.14 1/2
Lavender Flowers, Ordinary....lb	.25	.32	Tonquin.....oz	35.00	38.00	Peppers, red Mombasa bags....lb	.28	.29
Selected.....lb	.35	.37	Synthetic, see Chemicals.....			Cherries, bags.....lb	.18 1/2	.17
Leeches, tubs.....Per 100	7.00	7.50	Musk Root, Russian bags.....lb	...	...	Bombay, bags.....lb	.14 1/2	.15
Lemon Peel, bags.....lb	.09	.10	Mustard Seed, Bari brown bags..lb	.08 1/2	.09	Japan, bags.....lb	.28	.30
Licorice Root, Russian whole....lb	...	.08 1/2	Bombay, brown.....lb	.07	.08	Pennyroyal Herb, bales.....lb	.08	.12
Spanish, natural bales.....lb	.09	.09 1/2	California, brown.....lb	.09	.09 1/2	Peppermint Leaves, imp. bales..lb	...	.35
Powdered, bbls.....lb	.10	.11	Yellow.....lb	...	.09	Domestic leaf.....lb	.27	.29
Selected, 2 & 5 lb bundles....lb	.17 1/2	.20	Chinese, yellow.....lb	.04	.04 1/2	Peru Balsam, see Balsams.....		
Cuttings, 125 lb bags.....lb	.07 1/2	.08	English, yellow.....lb	.08 1/2	.09	Pitch Leaves, bags.....lb	.23	.25
Life Everlasting Herbs, bales....lb	.05	.08	Dutch, yellow.....lb	.09	.09 1/2	Pimento, select bags.....lb	.04 1/2	.04 1/2
Lime Juice, clarified bbls.....gal	.50	.60	Danish, yellow.....lb	.08 1/2	.09	Pink Root, true bags.....lb	...	1.20
Linden Flowers, with leaves, baleslb	.22	.23	Myrrh Gum, select 200 lb cs....lb	.38	.40	Pitch, Burgundy, see Burgundy Pitch		
Without Leaves, bales.....lb	.38	.40	Sorts, cases.....lb	.38	.38	Pleurisy Root, bags.....lb	...	.22
Liverwort Leaves, bales.....lb	.30	.32	NUTGALLS, Chinese bags.....lb	.15	.16	Plantain Leaves, bales.....lb	...	.15
Lobelia Herb, bales.....lb	...	.15	Aleppy, bags.....lb	.14	.15	Poke Berries, bags.....lb	...	.15
Lobelia Seed, bags.....lb	.55	.60	Nutmegs, 110s cases.....lb	.24	.25	Poke Root, bags.....lb	...	.07
Lovage Root, Imported, bags....lb	...	.25	75s, 80s cases.....lb	.26	.27	Pomegranate Bark, of root bags..lb	...	.30
Lupulin, boxes.....lb	1.40	1.50	Nux Vomica Buttons, bags.....lb	.06 1/2	.07	Of Fruit, bags.....lb	...	.30
Domestic.....lb	1.30	1.40	Powdered, 200 lb bbls.....lb	.11	.11 1/2	Of tree.....lb	...	.30
Lycopodium, 88 lb cs.....lb	.40	.45	OAK BARK, red bags.....lb	.05	.06	Poppy Flowers, red bags.....lb	.30	.35
MACE, Siau, No. 1 cases.....lb	.44	.45	White, bags.....lb	.05	.06	Poppy Seed, Dutch, bags.....lb	.12 1/2	.13
Banda, No. 1 cases.....lb	.46	.47	Oilbanum Gum, sift 250 lb cases..lb	.10	.11	German, bags.....lb	.11 1/2	.12
Batavia, cases.....lb	.38	.39	Tears, 280 lb cases.....lb	.13	.14	Turkish, bags.....lb	.08	.08
Malva Flowers, blue bales.....lb	.35	.38	No. 1, all white, 280 lb cases.....lb	.21	.22	Blue Indian, bags.....lb	.08	.08 1/2
Black, bales.....lb	.65	.75	Opium, gum USP cases.....lb	...	6.75	White Indian, bags.....lb	.07	.07 1/2
Manna, large flake cases.....lb	.58	.60	Granular, cases.....lb	...	7.75	Prickly Ash Bark Southern, bags lb	.14	.14 1/2
Small flake, cases.....lb	.33	.34	Powdered, USP cases.....lb	...	7.75	Northern, bags.....lb	.14	.14 1/2
Sorts, cases.....lb	.30	.32	Orange Flowers, cases.....lb	...	1.00	Prickly Ash Berries, bags.....lb	.11	.13
Mandrake Root, bags.....lb	...	.18	Orange Peel, bitter bags.....lb	.08	.08 1/2	Prince's Pine, bales.....lb	.14	.15
Mastic Gum, 120 lb cases.....lb	.45	.48	Sweet, bags.....lb	.08 1/2	.07	Pulsatilla Herb, bags.....lb	.37	.40
Meseroun Bark, bags.....lb	.11	.12	Orris Root Florentine bold bags lb	.07	.08	Pumpkin Seed, bags.....lb	.09	.12
Matico Leaves, bales.....lb	.18	.20	Verona, bags.....lb	.05	.06	QUASSIA CHIPS, bags.....lb	.07 1/2	.08
Marjoram Leaves, German bales..lb	.17	.18	Powdered, 200 lb bbls.....lb	.08	.09	Queen of the Meadow Herb, bags lb	...	.06
French, bales.....lb	.15	.15 1/2	Fingers, cases.....lb	.65	.70	Quince Seed, bags.....lb	1.35	1.40
Millet Seed, dom. yellow bags....lb	.03 1/2	.05	Ozokerite Wax, brown hard bags..lb	.22	.24	RAPE SEED, South Amer. bags..lb	.07	.07 1/2
Montan, Wax, crude bags.....lb	.04	.04 1/2	Green, hard bags.....lb	.25	.26	Dutch, bags.....lb	.08	.08 1/2
Bleached.....lb	...	...	Refined, yellow bags.....lb	...	...	Japanese, small, bags.....lb	.06 1/2	.06 1/2
Moss, Iceland bales.....lb	.08	.09	PAPRIKA, bags.....lb	.17	.24	Raspberries, dried boxes.....lb	.35	.40
Irish, bleached bales.....lb	.09	.10	Hungarian.....lb	.27	.37	Red Saunders.....lb	.17	.19
Mullein Flowers, tins.....lb	...	1.25	Pareira Brava Root, bags.....lb	.19	.20	Rhatany Root, bags.....lb	...	.10
			Parsley Seed, bags.....lb	.08 1/2	.09	RHUBARB, H. D. cases.....lb	.40	.42
						Powdered, 200 lb bbls.....lb	.40	.48
						Rosemary Leaves, bales.....lb	.04	.05


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Rosemary Flowers, cases bales...D	.28	.30	Snake Root, Canada natural bags...D	.32	.33	Tragacanth Gum, No. 1, ribbon, 200 lb. cr.D	1.70	1.75
Rose Petals, pale .....D	.22	.25	Stipped, bags .....D	.44	.55	No. 2 to No. 6, cases.....D	1.00	1.50
Red .....D	..	.60	SOAP BARK, whole, 150-200 lb. bales .....D	.07½	.08	Powdered, 50 lb. boxes.....D	1.00	1.50
Rue Herb, bales.....D	.30	.35	Cut, 125-175 lb. bags.....D	.08	.08½	Turkish, cases.....D	.75	.80
SARADILLA SEED, bags.....D	..	.12	Crushed, 200 lb. bbls.....D	.08½	.09	Turmeric Root, Madras bags.....D	.09½	.09½
Powder, bbls.....D	.16½	.17	Powdered, 200 lb. bbls.....D	.13	.14	Aloppy, bags.....D	.07½	.08
Saffron Flowers, Amer. bales.....D	1.25	1.30	Spearmint Leaves, American bales...D	.23	.24	China, bags.....D	.07	.07½
Valencia, 1 lb. cans.....D	47.00	48.00	Spermaceti, blocks cakes cases...D	.36	.37	Turpentine, Venice, true 80 lb. cr. ....D	.20	.22
Sage, Dalmatian bales.....D	.05½	.06½	Spikenard Root, bags.....D	.15	.16	Artificial, 80 lb. cases.....D	.14	.15
Greek, bales.....D	.03½	.04	Spruce Gum, boxes.....D	1.00	1.50	Spirits, see Naval Stores		
Spanish, bales.....D	.03	.03½	Squaw Vine, bales.....D	..	.17	UNICORN ROOT, false, see Helonia		
Sandalwood, chips bags.....D	..	.30	Squill Root, white bags.....D	..	.04	True, see Aletris		
Ground, bags.....D	..	.35	Stavesacre Seed, bags.....D	.28	.29	Uta Urd Leaves, bales.....D	.05½	.06½
Sandarac Gum, 300 lb. bbls.....D	.23	.25	Stillingia Root, bags.....D	.09½	.10	VALERIAN ROOT, Belgian bags.....D	.13	.14
Sarsaparilla, Honduras, bales.....D	..	.55	Stone Root, bags.....D	.09	.10	Vanilla Beans Mex. whole cases...D	7.50	10.00
Mexican, bales.....D	.30	.32	Storax, liquid artif.....D	.70	.75	Cuts, cases.....D	6.50	7.00
Sassafras Bark, ordinary bales...D	.12	.14	Gen. USP.....D	.90	1.00	Bourbon, cases.....D	3.25	3.75
Select, bales.....D	.22	.28	St. Ignatius Beans, bags.....D	.22	.23	South American, cases.....D	6.00	6.50
Savory Leaves, bales.....D	.09½	.10	St. John's Bread, bags.....D	.04	.08	Tahiti, yellow label cases.....D	2.10	2.25
Saw Palmetto Berries, bags.....D	.12	.15	Stramonium Leaves, bales.....D	.07	.07½	Green Label, cases.....D	2.10	2.25
Scammony Resin, boxes.....D	1.15	1.25	Stramonium Seed, bags.....D	.13	.13	Violet Flowers, bags.....D	.65	.70
Scammony Root, bags.....D	.06	.07	Strophanthus Seed, Elspidus.....D	..	..	WAHOO BARK, of root bags.....D	1.00	1.10
Senna Root, bags.....D	.74	.75	Kombe, bags.....D	.30	.35	Of Tree, bags.....D	.40	.42
SENNAL, Alex. 150 lb. cases.....D	.80	.31	Sunflower Seed, domestic bags.....D	.07	.07½	White Pine Bark, roseed, bags...D	.08	.07
Half Leaf, 350 lb. bales.....D	.16	.19	South American, bags.....D	.06½	.07	White Poplar Bark, bags.....D	.04	.05
Siftings, 400 lb. bales.....D	.09	.09½	TAGALDER BARK, bags.....D	..	.05	Wild Cherry Bark, thin green		
Powdered, 200 lb. bbls.....D	.12	.13	Tamarinds, bbls.....D	..	.05½	Rosced, bales.....D	.10	.12
Tinnevely, job, 350 lb. bales...D	.11	.13	Keps.....per bag	3.25	5.50	Thick Rosced, bales.....D	.07	.07½
Grinding, 350 lb. bales.....D	.05	.08	Tansy Herb, bales.....D	.14	.15	Thin Natural, bales.....D	.09	.09½
Powdered, 200 lb. bbls.....D	.08	.08½	Tar. Barbados, 50 gal. bbls. gal.	1.60	1.75	Thick Natural, bales.....D	.04½	.05
Pods, 350 lb. bales.....D	.06	.06½	Thun Gum, 250 lb. bbls.....D	..	.05½	Willow, bark bags.....D	..	.06
Serpentaria Root, bags.....D	.90	.92	Thyme, Spanish bales.....D	..	.08	White, bags.....D	..	.15
Shellac, T.N., bags.....D	.77	.78	French, bales.....D	..	.11	Witch Hazel Bark, bags.....D	..	.06
Superfine Orange, bags.....D	.89	.90	Tillia .See Linden			Witch Hazel Leaves, bales.....D	..	.07½
D. C. bags.....D	..	1.00	Tolu Balsam, see Balsams			Worm Seed, American bags.....D	.03½	.09
V. S. O., cases.....D	..	.95	Tonga Bark, bags.....D	.30	.31	Levant bags.....D	3.75	4.00
Pwd. reg., 350 lb. bbls.....D	.88	.90	Tonka Beans, Angostura, cases...D	2.00	2.10	Wormwood Herb, imported bales...D	..	.10
Regular Bleached, 350 lb. bbls...D	..	.90	Para, cases.....D	.50	.55	Yacca Gum, red.....D	.04	.04½
Bone, Dry, 350 lb. bbls.....D	..	.92	Surinam, cases.....D	.35	.35	Ground.....D	.05½	.06½
Simaruba Bark, bales.....D	.11	.12				YELLOW DOCK ROOT, bags.....D	.13	.15
Sideritis Herb, cut bags.....D	..	.22				Yellow Parilla Root, bags.....D	.16	.17
Skullcap Leaves, bales.....D	..	.38				Yerba Santa, bags.....D	.10	.11
Sloe Berries, bags.....D	.08	.04				Zedaira Root, bags.....D	.10	.11

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Essential Oils					
Almond, Bitter USP 5 lb bot.	3.75	4.00	Copaiba, USP, 50 lb tins.	.35	.40
Bitter fl PA 5 lb bot.	3.75	4.00	Coriander, USP, 1 lb bot.	21.00	22.50
Artificial. (See Benzaldehyde-Chemicals)			Croton, USP 25 lb tins.	1.00	1.10
Sweet, 56 lb cans.	.35	.40	Cubebs, USP, 5 lb bot.	8.00	8.25
Peach Kernel, 56 lb tins.	.25	.37	Cumin, 1 lb bot.	15.00	20.00
Apricot, see Peach Kernel			Dill, 1 lb bot.	4.75	5.00
Amber, crude 25 lb tins.	.65	.68	Erigeron, 20 lb tins.	.85	.90
Rectified, 25 lb tins.	.90	1.00	EUCALYPTUS, Austl. USP		
Angelica Root, 1 lb bot.	38.00	39.00	50 lb ca.	.46	.48 1/2
Seed, 1 lb bot.	36.00	38.00	500 lb drums	.46	.48
ANISE, Tech., 66 lb case.	.45	.50	Fennel USP, 25 lb tins.	1.10	1.25
USP 50 lb tins.	.52 1/2	.55	Geranium, Algerian, 25 lb tins.	8.00	8.50
Bay, 25 lb tins.	2.45	2.55	Bourbon, 25 lb tins.	6.50	6.75
Bergamot, USP, 25 lb coppers.	2.60	2.75	Turkish, 28 lb tins.	. . .	4.50
Artificial, 25 lb cans.	2.00	2.25	Ginger, 1 lb bot.	5.75	6.00
Birch Tar, rect. 5 lb bot.	1.10	1.15	Gingergrass, 25 lb tins.	2.75	3.00
Crude, 50 lb tins.	.60	.65	Hemlock, 50 lb cans.	. . .	1.55
Bois de Rose, 25 lb tins.	2.30	2.50	Juniper Berries, USP, 25 lb tins.	1.25	1.40
Cade, USP, 25 lb tins.	.45	.50	Wood, 50 lb tins.	.50	.60
USP, 5 lb bot.	.55	.60	Lavender, USP, 25 lb tins.	2.75	3.50
Cajuput, native, 50 lb tins.	.80	.85	Spice, Spanish 50 lb cans.	.70	.80
Calamus, 5 lb bot.	4.25	4.75	LEMONGRASS, Ital. USP, 25 lb tins.	.75	.85
Campor, heavy, 1000 lb drums.	1.15 1/2	.12	American, USP, 25 lb tins.	.80	.85
Japanese, white, 72 lb cans.	1.13 1/2	.15	Lemongrass, native, 50 lb cans.	.85	.90
White, 1000 lb drums.	.13	.13 1/2	Limes, express 25 lb tins.	1.75	1.80
Camanga, Native 25 lb tins.	2.25	2.50	Distilled, 25 lb tins.	.65	.70
Rectified, 25 lb tins.	2.50	2.75	Linaloe, Mex. 80 lb cans.	2.15	2.35
Caraway, USP	5.25	6.00	Mace, distilled 50 lb tins.90
Cardamom, USP, 1 lb bot.	20.00	22.00	Mirbane, ref., see Ar. Chemicals	. . .	17.00
Carvol, 5 lb bot.	8.50	9.00	Mustard, USP, 1 lb bot.	. . .	2.75
CASSIA, 75-80 p.c. 66 lb cases.	1.95	2.10	Artif., USP, 5 lb bot.	2.75	2.80
Redistilled, USP, 50 lb cans.	2.35	2.40	Neroli, Bigarade, 1/2 and 1 lb bot.	75.00	100.00
Cedar Leaf, 50 lb tins.	.85	1.00	Petal, 1 lb bot.	90.00	115.00
Cedar Wood, light 1000 lb drums.	.25	.28	Artificial, 1 lb bot.	10.00	25.00
Celery, 1 lb bot.	8.50	9.00	Nutmeg, USP, 25 lb tins.90
Cinnamon, Ceylon 1 lb bot.	12.00	15.00	Orange, bitter, 25 lb tins.	2.25	2.35
Leaf, 5 lb bot.	. . .	2.00	Sweet, W. Ind., 25 lb tins.	2.60	2.75
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73	Italian, 25 lb cop.	2.80	2.90
50 lb tins.	.73	.75	American, 25 lb tins.	2.85	2.95
Cedar Leaf, 50 lb tins.	.85	1.00	Origanum, 50 lb cans.35
Cedar Wood, light 1000 lb drums.	.25	.28	Parley, 1 lb bot.	3.50	4.00
Celery, 1 lb bot.	8.50	9.00	Patchouli, 5 lb bot.	8.00	8.50
Cinnamon, Ceylon 1 lb bot.	12.00	15.00	Pennyroyal, dom 25 lb tins.	1.95	2.35
Leaf, 5 lb bot.	. . .	2.00	Imported, 25 lb tins.	1.65	1.75
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73	PEPPERMINT, nat. 60 lb cases.	2.65	2.75
50 lb tins.	.73	.75	Redist., USP, 60 lb cases.	2.95	3.05
Cedar Leaf, 50 lb tins.	.85	1.00			
Cedar Wood, light 1000 lb drums.	.25	.28			
Celery, 1 lb bot.	8.50	9.00			
Cinnamon, Ceylon 1 lb bot.	12.00	15.00			
Leaf, 5 lb bot.	. . .	2.00			
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73			
50 lb tins.	.73	.75			
Cedar Leaf, 50 lb tins.	.85	1.00			
Cedar Wood, light 1000 lb drums.	.25	.28			
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Cinnamon, Ceylon 1 lb bot.	12.00	15.00			
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Cinnamon, Ceylon 1 lb bot.	12.00	15.00			
Leaf, 5 lb bot.	. . .	2.00			
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73			
50 lb tins.	.73	.75			
Cedar Leaf, 50 lb tins.	.85	1.00			
Cedar Wood, light 1000 lb drums.	.25	.28			
Celery, 1 lb bot.	8.50	9.00			
Cinnamon, Ceylon 1 lb bot.	12.00	15.00			
Leaf, 5 lb bot.	. . .	2.00			
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73			
50 lb tins.	.73	.75			
Cedar Leaf, 50 lb tins.	.85	1.00			
Cedar Wood, light 1000 lb drums.	.25	.28			
Celery, 1 lb bot.	8.50	9.00			
Cinnamon, Ceylon 1 lb bot.	12.00	15.00			
Leaf, 5 lb bot.	. . .	2.00			
CITRONELLA, Ceylon, 1000 lb drs.	.71	.73			
50 lb tins					

Aromatic Chemicals

NATURAL DERIVATIVES								
Anethol, 25 lb bot.....	D	1.60 : 2.00	Cinnamic Alcohol, liquid 1 lb bot. D	10.00 : 12.00		Phenylpropylalcohol, 1 lb bot....	D	15.00 : 16.00
Borneol, 1 lb bot.....	D	2.50	Crystallizable	D	12.00 : 15.00	TERPINEOL, CP, 1000 lb drums. D		.53 : .55
Citronellal, 1 lb bot.....	D	2.00 : 2.25	Cinnamic Aldehyde, 1 lb bot....	D	3.20 : 3.50	Cans 50 lb	D	.58 : .60
CITRAL, 25 lb cans.....	D	2.75 : 3.00	CITRONELLOL, 1 lb bot.....	D	8.00 : 14.00	Imported, 25 lb cans.....	D	1.00 : 1.25
EUCALYPTOL, USP, 25 lb cans..	D	.80 : .85	CUMARIN, 25 lb cans.....	D	4.50 : 4.75	Terpinyl Acetate, 25 lb cans....	D	1.65 : 1.85
Eugenol, USP, 25 lb cans.....	D	2.85 : 3.25	DIETHYL PHTHALATE, 25 lb cans	D	.65 : .75	VANILLIN, USP, 400 oz cans...oz		.40 : .40 1/4
Geraniol, Domestic, 50 lb cans..	D	2.75 : 3.00	Diphenylacide, 25 lb tins.....	D	.85 : .90	Cans, 16 oz., 80 oz.....oz		.40 1/4 : .41 1/4
Imported, 5 lb bot.....	D	2.75 : 3.00	Ethyl Acetate, pure, 5 lb bot....	D	.45 : .50	Valerianic Ether, See Ethyl Valerate		
Is-eugenol, 1 lb bot.....	D	4.25 : 4.50	Ethyl Benzoate, 5 lb bot.....	D	1.25 : 2.00	Yara Yara, 1 lb cans.....oz	2.00 : 2.50	
Imported	D	6.50 : 7.00	Ethyl Butyrate, 5 lb bot.....	D	2.00 : 2.25	PERFUMERS' SUNDRIES		
Linalool, 5 lb bot.....	D	7.00 : 7.25	Ethyl Cinnamate, 1 lb bot.....	D	4.50 : 5.00	Almond Meal, 25 lb cans.....	D	.28 : .30
MENTHOL, 60 lb cases.....	D	8.20	Ethyl Formate, 5 lb bot.....	D	.95 : 1.00	Ambergris, black, bxs.....oz		8.00
Less cases, 5 lb cans.....	D	8.40 : 8.60	Ethyl Valerate, 5 lb bot.....	D	4.50 : 4.75	Ambergris, gray, bxs.....oz		25.00
Rhodinol, 1 lb bot.....	D	15.00 : 20.00	Formic Ether, See Ethyl Formate			Balsam Copaliba, Para, 50 lb cases	D	.23 : .24
SAFROL, 60 lb cans.....	D	.55 : .57	Geranyl Acetate, 1 lb bot.....	D	4.25 : 4.75	South American, 80 lb cases..	D	.23 : .24
Thymol, USP, 10 lb cans.....	D	3.25 : 3.50	Heliotropin, dom., 10 lb bot....	D	1.75 : 2.00	Balsam Peru, 60 lb cans.....	D	1.80 : 1.85
SYNTHETIC AROMATICS			Imported	D	1.75 : 2.75	Balsam Tolu, 90 lb cases.....	D	.82 1/4 : .85
Acetaldehyde, 50% sol pure, 5 lb bot.	D	1.75 : 2.00	Indol, CP, 100 bot.....	D	8.50 : 9.00	Benzoin Gum, Siam, bxs.....	D	1.10 : 1.15
Acetophenone CP, 1 lb bot.....	D	4.00 : 4.25	Ionone, 1 lb bot.....	D	5.00 : 6.00	Castoreum, 1 lb bot.....	D	4.00 : 4.50
Amyl Acetate, pure, 5 gal cans.gal		6.00 : 7.00	Alpha	D	10.00 : 12.00	Chalk, precip. light, 175 lb bbls.	D	.04 1/4 : .05
Amyl Butyrate, 1 lb bot.....	D	2.00 : 2.10	Beta	D	9.00 : 11.00	Cherry Laurel Water, 5 gal cans.gal		1.15 : 1.25
Amyl Formate, 1 lb bot.....	D	1.75 : 2.00	Methyl	D	12.50 : 15.00	Civet Abyssin, horns.....oz	2.75 : 3.75	
AMYL SALICYLATE, 100 lb chys. D		1.45 : 1.60	Linalyl Acetate, 1 lb bot.....	D	7.00 : 10.00	Labdanum, 5 lb bot.....	D	8.00
Anisic Aldehyde, 1 lb bot.....	D	3.40 : 4.00	Linalyl Benzoate, 1 lb bot.....	D	13.00 : 14.00	Lanolin hydrous, 350 lb bbls..	D	.21 : .22
BENZALDEHYDE, USP, 40 lb chys. D		1.40 : 1.50	METHYL ANTHRANILATE dom.,			Anhydrous, 350 lb bbls.....	D	.23 : .24
FFC, 40 lb chys.....	D	1.60 : 1.70	1 lb bot.....	D	2.25 : 2.50	Musk pods, Cabardine, tins...oz	16.00 : 17.00	
Benzyl Ether, See Ethyl Benzoate			Imported	D	3.00 : 3.50	Tonquin, tins	22.00 : 25.00	
Benzyl Acetate, 100 lb chys.....	D	1.25 : 1.40	Methyl Cinnamate, 1 lb bot....	D	4.00 : 4.50	Grains, Cabardine, tins.....oz	25.00 : 26.00	
Benzyl Alcohol, 5 lb bot.....	D	1.50 : 1.75	Methyl Parasacrol 1 lb bot....	D	5.00 : 6.00	Tonquin, tins	35.00 : 38.00	
BENZYL BENZOATE, 5 lb bot....	D	1.50 : 1.60	METHYL SALICYLATE, USP 500 lb			Synthetic, See Aromatic Chemicals		
Medicinal FFC	D	1.65 : 1.75	drums	D	.60	Orris Rt. Flor., powd. bbls.....	D	.09 : .11
Benzyl Formate, 1 lb bot.....	D	2.50 : 3.00	50 lb cases	D	.62	Verona, bbls.....	D	.08 : .09
Bromystrol, 25 lb keg.....	D	4.00 : 4.25	Mirbane, rect. 1000 lb drums...	D	.12 1/4 : .14	Petrolatum, snow white, 350 lb bbls	D	.12 1/4 : .14
Butyric Ether, See Ethyl Butyrate			Musk Ambrette, 1 lb cans.....	D	14.50 : 16.50	Light Amber, 350 lb bbls.....	D	.04 : .04 1/4
Cinnamic Acid, 5 lb cans.....	D	3.00 : 3.25	Musk Ketone, 1 lb cans.....	D	13.00 : 14.00	Rice Starch, 140 lb bgs.....	D	.09 : .10
			Musk Xylene, 5 lb cans.....	D	2.90 : 3.15	Rose Water, 5 gal chys.....gal		.90 : 1.10
			Nerolin, 1 lb cans.....	D	1.75 : 2.00	Sandalwood chips, powd., bags...	D	.30 : .35
			Phenylacetaldehyde, 85 p.c. 1 lb bot.	D	9.00 : 12.50	Saponin, 5 lb tins.....	D	1.25 : 1.50
			50 p.c.	D	6.00 : 8.00	Talc Italian, 220 lb bgs.....ton	42.00 : 55.00	
			Phenylacetic Acid 1 lb bot.....	D	3.00 : 4.00	Talc French, 220 lb bags.....ton	32.00 : 45.00	
			PHENYLETHYLALCOHOL dom.,			Talc, domestic ref., 100 lb bags..ton	20.00 : 30.00	
			1 lb bot.....	D	7.50 : 9.00			
			Imported	D	9.50 : 12.00			



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ALCOHOL—188 bbls., C. Esteve, San Juan

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ALBUMEN—18 bbls., Cooper & Cooper, Hamburg; 20 cks., Order, Hamburg; Hen, 25 cs., Seral Trdg. Corp., Rotterdam

ALOE—500 cs., Selma Merc. Corp., Curacao

AMMONIUM—Carbonate, 25 cs., 10 cks., 10 bbls., Brown Bros. & Co., Liverpool; Muriate, 28 cks., J. Turner & Co., Liverpool; 28 cks., Kuttroff Pickhardt & Co., Bremen; Phosphate, 27 bbls., Bengel Trdg. Co., Hamburg; 20 cks., Order, Hamburg

ANTIMONY—Sulfide, 7 cks., F. B. Vandegrift & Co., Southampton

BARIUM—Carbonate, 80 cks., Order, Hamburg; Chloride, 91 cks., Hummel & Robinson

BARK—Cinchona, 279 bbls., Order, Rotterdam; Mangrove, 85 bgs., Willard Hawes Co., St. Marc

BARYTES—168 cks., N. Y. Trust Co., Bremen

BERRIES—Juniper, 100 bgs., Order, Genoa; 5 cs., A. Stillwell & Co., Rotterdam; Cubeb, 38 bgs., Huth & Co., Singapore

CASEIN—167 bgs., Order, Buenos Aires; 501 bgs., Bank of America, Buenos Aires; 167 bgs., Nat. City Bank, Buenos Aires; 1,663 bgs., Kalbfleisch Corp., Buenos Aires; 137 bgs., T. D. Downing & Co., Hamburg

CHALK—140,800 kilos Trdg. Co., Dunkirk; 800 bgs., Bankers Trust Co., Antwerp; 550 bgs., Bankers Trust Co., Antwerp

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CRESOL—3 drs., E. Jordan & Bros., Liverpool

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FLOWERS—Chamomile, 9 cs., A. Stallman & Co., Hamburg; Elder, 33 bbls., Order, Hamburg

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SHELLAC—499 bgs., 180 pkgs., Order, South-

ampton; 10 cs., A. Murphy & Co., Rotterdam; 200 bgs., Goschens & Cunliffe, Calcutta; 170 bgs., Phila. Nat. Bank, Calcutta; 640 bgs., Order, Calcutta; 16 bgs., Order, Hamburg; 100 bgs., N. Y. Trust Co., Calcutta; 50 cs., First Nat. Bank, Calcutta; 350 bgs., Lee Higginson & Co., Calcutta; 200 bgs., Chase Nat. Bank, Calcutta; 200 bgs., Irving Bank, Calcutta; 100 bgs., Cont. & Comm. Nat. Bank, Calcutta; 150 bgs., Arbutnot Latham Co., Calcutta; 648 bgs., Nat. City Bank, Calcutta; 1,515 bgs., 25 cs., Order, Calcutta
SILVER SALT—22 csks., A. V. Berner & Co., Hamburg; **Sulfide**, 3 bxs., H. A. Watson & Co., Antofagasta
SODIUM SALTS—Carbonate, 65 cs., J. Jackson, Hamburg; **Chlorate**, 200 bbls., Mammoth Chem. Works, Hamburg; **Cyanide**, 280 cs., Asia Bkg. Corp., Havre; 112 cs., Nat. City Bank, Havre; **Hyposulfite**, 40 bbls., Brown Bros. & Co., Hamburg; **Sulfide**, 66 bgs., 74 bbls., Blackburn Trdg. Co., Hamburg; 25 bgs., Order, Hamburg; 28 bgs., Order, Hamburg; 30 bgs., Order, Hamburg; **Sulfite**, 40 bgs., Order, Hamburg; **Sulfhydrate**, 38 bgs., C. S. Grant & Co., Hamburg; **Nitrate**, 11,604 scks., Antony Gibbs & Co., Mejillones; 10,977 bgs., Wessel Duval & Co., Iquique; 4,288 bgs., 232 csks., Order, Brevik; **Perborate**, 40 bgs., Bank of America, Hamburg; **Prussiate**, 22 csks., H. J. Baker & Bros., Liverpool; 19 csks., E. I. du Pont de Nemours Co., Liverpool
SPICES—Cassia, 2 pkgs., L. Littlejohn & Co., Rotterdam; **Cinnamon**, 200 bls., Order, Colombo; **Ginger**, 26 bgs., Cottmann & Co., Rotterdam; 6 bgs., Curacao Trdg. Co., Puerto Plata; 560 bgs., Volkart Bros., Cochín; 350 bgs., Colonial Bank, Kingston; 200 bgs., Order, Cape Coast; 1,038 bgs., Oelmichs Co., Firtown; 525 bgs., Frannair de Afrique, Firtown; 25 bgs., Order, London; **Mace**, 19 bbls., Royal Bank of Canada, Grenada; 13 pkgs., Catz Amer. Co., Grenada; **Mustard**, 100 cs., Order, Southampton; **Nutmegs**, 87 cs., E. Miltenberg, Inc., Rotterdam; 37 cs., Van Loan & Co., Rotterdam; 138 cs., Frame & Co., Rotterdam; 19 cs., L. C. Naisawald & Sons, Rotterdam; 11 bgs., 24 cs., Catz Amer. Co., Rotterdam; 168 cs., C. T. Wilson & Co., Singapore; 26 bgs., Order, Singapore;

112 bgs., Royal Bank of Canada, Grenada; 150 bgs., Archibald & Lewis, Grenada; 150 bgs., McCormick & Co., Grenada; 9 cs., Royal Bank of Canada, Grenada; 20 bgs., Huth Gillespie & Co., Grenada; 26 bgs., E. Boissevain & Co., Grenada; **Pepper**, 400 bgs., Volkart Bros., Cochín; 500 bgs., Equit. Trust Co., Batavia; 3,572 bgs., Order, Telok Betang; 652 bgs., Equit. Trust Co., Telok Betang; 1,200 bgs., Higginson & Co., Telok Betang; 334 bgs., Darrogh Smoil & Co., Alleppey; **Pimento**, 100 scks., C. B. Rickard & Co., Alicante; 50 scks., Knickerbocker Mills Co., Alicante; 25 scks., Ramon Sales Co., Alicante; 50 scks., Van Loan & Co., Alicante; 100 scks., Austin Nichols Co., Alicante; 100 scks., L. Wertheimer & Son, Alicante; 180 scks., Judson Freight Fwdg. Co., Alicante; 300 scks., R. F. Downing & Co., Alicante; 100 scks., Amer. Exch. Nat. Bank, Alicante; 300 scks., Intercean Fwdg. Co., Alicante; **Pimento**, 514 bgs., Colonial Bank, Kingston
SUMAC—Ground, 1,750 bgs., Order, Palermo
TALC—500 bgs., Ital. Discount & Trust Co., Genoa; 500 bgs., C. Mathieu, Genoa; 250 bgs., Bankers Trust Co., Genoa
TAPIOCA—Flour, 300 bgs., Hag Sh. Haintz & Co., Batavia; 1,508 bgs., Nadelbinnen Nat. Bank Phila., Sourabaya; 753 bgs., Chatham & Phoenix Nat. Bank, Sourabaya
TARTAR—Cream, 100 kgs., Order, Rotterdam
TEAWASTE—444 bgs., Maywood Chem. Wks., Calcutta
TETRACHLORIDE—86 cs., 44 bgs., Weisen-thal & Co., Hamburg
VANILLA BEANS—2 cs., M. Hopkins, Hamburg; 5 cs., Maitland Copper & Co., Vera Cruz; 7 cs., H. Triest & Co., Vera Cruz
WAX—23 bgs., Order, Havana; **Bees**, 23 scks., Duncan Fox & Co., Valparaiso; 20 bbls., D. Steengrafe, Rio de Janeiro; 41 bgs., London & Brazil Bank, Rio de Janeiro; 34 bgs., Amer. Trdg. Co., Rio de Janeiro; **Carnauba**, 993 bgs., Nat. City Bank, Para; 125 bgs., Order, Para; 55 bgs., Nat. Park Bank, Ceara; 410 bgs., Irving Nat. Bank, Ceara; 192 bgs., Intern. Accept. Bank, Ceara; 22 bgs., Amer. Trdg. Co., Ceara; 34 bgs., Order, Ceara; 30 bgs., Amer. Trdg. Co., Rio de Janeiro

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Chlorate of Soda

Powdered Crystals

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Payment—Must accompany order, add 10c if replies are to be forwarded.

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Party thoroughly familiar with chemicals ready to associate with established chemical firm, jobbers or manufacturers, where active service and additional capital is required. Please state particulars as proposition must stand close investigation. Box 334, DRUG & CHEMICAL MARKETS.

FAR EAST BUSINESS—Experienced, reputable chemical dealer wants to add to exclusive, sales agencies handled for Japan and China. Available for interview in New York, Chicago, Boston or San Francisco March 15th to April 20th. Box 318, DRUG & CHEMICAL MARKETS.

SMALL PLANT WANTED—Western manufacturer wants to secure small building in Metropolitan district, Long Island City, New Jersey, or other near-by location. Suitable for dextrine manufacture. Railroad siding. Trucking distance Manhattan and Brooklyn. Box 327, DRUG & CHEMICAL MARKETS.

CRUDE DRUGS—Firm in India, first hand shippers of crude botanical drugs are desirous of getting in touch with American importers of medicinal herbs. Address reply Box 306, DRUG & CHEMICAL MARKETS.

SALESMEN—Chemical Engineer desires contact with firms in manufacturing difficulties. Have you a customer with a problem? Put me in touch with him to our mutual advantage. Box 338, DRUG & CHEMICAL MARKETS.

BUSINESS OPPORTUNITIES

If you manufacture products used in the paint, varnish, ink, paper, rubber, and other industries and which can be sold in Ohio—Address, Box 309, DRUG & CHEMICAL MARKETS.

HELP WANTED

PHARMACEUTICAL SALESMAN WANTED BY LARGE IMPORTER TO COVER MANUFACTURERS AND WHOLESALERS. MUST BE THOROUGHLY EXPERIENCED IN THIS LINE BOTH FROM SELLING AND TECHNICAL STANDPOINT. IN REPLY, STATE SALARY EXPECTED, FULL PARTICULARS OF EXPERIENCE, AGE AND RELIGION. BOX 323, DRUG & CHEMICAL MARKETS.

DRUG SALESMEN to sell to medical profession; exclusive territory; liberal commission; state experience and references. Box 336, DRUG & CHEMICAL MARKETS.

DYESTUFF SALESMAN—We have an opening with a future for an experienced dye salesman who knows line and has following among New England millmen. Box 339, DRUG & CHEMICAL MARKETS.

STOCK CLERK for a large wholesale drug house, one familiar with patents and sundries. State salary and experience. Box 231, DRUG & CHEMICAL MARKETS.

HELP WANTED

SUPERINTENDENT WANTED—Plant Superintendent to equip and operate a small factory for the manufacture of Sal Soda and Glauber's Salt in the vicinity of New York City. Must have had actual practical experience in this particular line and be capable of assuming complete charge of the work. Reply in own handwriting stating age, experience and other qualifications, also salary desired. All applications will be kept strictly confidential. Box 311, DRUG & CHEMICAL MARKETS.

INSECTICIDE SALESMEN

Manufacturer wants three or four good men who have experience in this line and real selling ability. Protected territory and liberal drawing account. Write fully in confidence to Box 330, DRUG & CHEMICAL MARKETS.

SALESMAN Wanted—Reliable chemical jobber, Christian concern, needs a young man about 21 years for the position of salesman on straight salary basis; good opportunity for the right person; previous experience unnecessary. Box 323, DRUG & CHEMICAL MARKETS.

SALESMAN WANTED FOR SYNTHETIC CHEMICALS FOR PERFUMES, SOAPS, ETC. MUST BE THOROUGHLY EXPERIENCED IN THIS LINE. IN REPLY, STATE NATURE OF EXPERIENCE, AGE AND SALARY EXPECTED. BOX 329, DRUG & CHEMICAL MARKETS.

CHEMICAL EQUIPMENT

ALUMINUM KETTLES
100—50 to 100 gal. Coppers.
CENTRIFUGALS
2—26-in. Copper Baskets.
2—36-in. Copper Baskets.
2—36-in. Bronze Baskets.
7—48-in. Bronze Mesh Baskets.
1—60-in. Steel Rubber Lined.

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3—No. 11 Vacuum Shelf, Devine.
1—8 truck Hurricane.
10—Gordon Tray and Truck Dryers.
2—Bronze Drum Dryers.
10—Other Vacuum Dryers.

STILLS
1—100 gal. Badger Copper Still.
2—Vacuum Still, 35 to 100 gals.
7—Copper Col. Alcohol Dist. Units.
1—400-gal. Aluminum Still.

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1—4 x 6 Oliver Filter, all iron.
2—6 x 6 Oliver Filter.
3—No. 150 Kelly Filter.
1—No. 250 Kelly Filter.
1—No. 12 Sweetland.

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A large quantity of Refrigerators from 2 to 12 tons.

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SALESMAN familiar with alcohol and industrial chemical lines, who has a good record of sales and is not afraid of hard work, seeks position in Middle West territory. Address **SELLER, DRUG & CHEMICAL MARKETS.**

CHEMIST, B.S., age 26, single, with 3½ years' experience as research chemist and analyst in firm manufacturing dairy products, wishes similar position with food house, or commercial laboratory. Location New York City, or vicinity. Now employed, but wishes to change for position that offers better future. Box 322, **DRUG & CHEMICAL MARKETS.**

ORGANIC CHEMIST with fourteen years experience in research and plant development, capable of directing work in the production of pharmaceuticals, synthetic medicinals, and fine organic chemicals, will demonstrate, at a reasonable salary, his ability to obtain results. Box 324, **DRUG & CHEMICAL MARKETS.**

SALESMAN—Trained chemist familiar with organic field wishes to establish connection with firm covering Metropolitan territory. Box 323, **DRUG & CHEMICAL MARKETS.**

CHEMIST—Thoroughly experienced in medicinal and fine organic chemicals available for connection with manufacturer. Box 326, **DRUG & CHEMICAL MARKETS.**

SITUATIONS WANTED

NITRO CELLULOSE MAN

Experienced chemist, manufacturer, market analyst and merchandiser. Thoroughly familiar with every phase from the raw cotton, through manufacture to successful production of nitrates, films, lacquers, leather cloth and other products. An honor graduate in chemistry and mechanics. Twelve years intensive work with leading makers. Splendid executive, exceptional references. Now employed but immediately available. Box 321, **DRUG & CHEMICAL MARKETS.**

INTERNATIONAL Sales Executive—who during past two years has personally covered South America, Australia and New Zealand, Cuba, France and Spain studying conditions and arranging sales agencies, and who has had long experience handling chemical and drug sales in United States, Canada and throughout the world will consider an engagement as sales executive with responsible firm interested in developing foreign business. Box 335, **DRUG & CHEMICAL MARKETS.**

TEXTILE CHEMIST—Technically trained man who has had nine years practical working experience in both wool and silk mills seeks a position where experience and reliability will be appreciated. Box 340, **DRUG & CHEMICAL MARKETS.**

SITUATIONS WANTED

PLANT EXECUTIVE—Advertiser is trained chemist (M. S. Cornell) who has had eleven years practical experience in chemical manufacturing. He has forceful personality and executive ability, and is able to handle men to get results. He has had experience in alkalies, varnishes, and coal-tar medicinals, with sound working knowledge of general heavy chemical processes. Available June 1st. Box 332, **DRUG & CHEMICAL MARKETS.**

PLANT EQUIPMENT

FOR SALE—500 gross 6 oz. Amber Peroxide Bottles packed 1 gross to case. Box 337, **DRUG & CHEMICAL MARKETS.**

LABORATORY WANTED—Manufacturer will buy for cash apparatus and equipment for plant and small research laboratory fitted for coal-tar work. Full particulars in first letter. Box 316, **DRUG & CHEMICAL MARKETS.**

WANTED—Filter Press—state type and capacity—must be in A1 condition. Box 317, **DRUG & CHEMICAL MARKETS.**

MISCELLANEOUS

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

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J. T. Baker Chemical Co.	International Salt Co.
Battelle & Renwick	A. Klipstein & Co.
Bowker Chemical Co.	Merchants Chemical Co.
Church & Dwight	Meteor Products Co.
The Cleveland-Cliffs Iron Co.	Mathieson Alkali Works
Contact Process Co.	The Miner-Edgar Co.
Chas. Cooper & Co.	Monsanto Chemical Works
Diamond Alkali Co.	Clarence Morgan & Co.
The Dow Chemical Co.	New Brunswick Chem. Co.
E. I. du Pont de Nemours & Co.	Nichols Copper Co.
Ellis Jackson & Co.	Pfaltz & Bauer
B. G. Feinberg	Roesler & Hasselacher Chem.
Geigy Company, Inc.	Seaboard Chemical Co.
General Chemical Co.	Semet Solvay Co.
Grasselli Chemical Co.	E. M. Sergeant Co.
W. F. George Chemicals, Inc.	Solvay Process Co.
Wm. S. Gray & Co.	Stein Hall & Co.
R. W. Greeff & Co.	Superfos Company
Chas. Hardy & Rupert, Inc.	Thorkildsen-Mather Co.
Hans Hinrichs Chem. Corp.	Victor Chemical Works
Edward Hill's Son & Co.	The Warner Chemical Co.
T. C. Hoelzer Co.	Wilkes-Martin-Wilkes Co.
Industrial Chemical Co.	Isaac Winkler & Bro. Co.
Innis Spelden & Co.	Jacques Wolf & Co.

FINE CHEMICALS

Abbott Laboratories	Mallinckrodt Chemical Works
Baird & McGuire	May & Baker
J. T. Baker Chemical Co.	Meteor Products Co.
Carbide & Carbon Chem. Corp.	H. A. Metz & Co.
Antoine Chiris Co.	The Miner-Edgar Co.
Charles Cooper & Co.	Monsanto Chemical Works
Darco Sales Corp.	Clarence Morgan & Co.
J. E. Dockendorff & Co.	N. Y. Quinine & Chem. Works
The Dow Chemical Co.	Perth Amboy Chem. Wks.
Eastman Kodak Co.	Pfaltz & Bauer
Electro Bleaching Gas Co.	Powers-Weightman-Rosengarten
B. G. Feinberg	Roesler & Hasselacher Chem. Co.
E. Fougere & Co.	Rhodia Chem. Co.
William S. Gray & Co.	Stein Hall & Co.
R. W. Greeff & Co.	Superfos Company
Hans Hinrichs Chem. Corp.	Thorkildsen-Mather Co.
T. C. Hoelzer Co.	Ungerer & Co.
Hoffman-La Roche Chem. Wks.	U. S. Industrial Chemical Co.
Industrial Chemical Co.	Victor Chemical Works
A. Klipstein & Co.	Victor & Hosken
Magnus, Mabec & Reynard, Inc.	Wilkes-Martin-Wilkes Co.

DYESTUFFS

Calco Chemical Co.	Heller & Merz Co.
Chicago Starch Co.	H. A. Metz & Co.
Dow Chemical Co.	National Aniline & Chemical Co.
Dye Products & Chem. Co.	
Essex Aniline Works	New Brunswick Chem. Co.
E. I. du Pont de Nemours & Co.	Newport Chemical Works
Geigy Company, Inc.	Pharma-Chemical Corp.
Ellis Jackson & Co.	Southern Dyestuffs Co.
A. Klipstein & Co.	Stein Hall & Co.
Gary Chem. Co.	Jacques Wolf & Co.
Grasselli Chemical Co.	

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Belgian Trading Co.	Morana, Incorporated
W. J. Bush & Co.	Clarence Morgan & Co.
Antoine Chiris Co.	Pfaltz & Bauer, Inc.
Delphi Products, Inc.	Ungerer & Co.
J. E. Dockendorff & Co.	Victor & Hosken
Fritzsche Bros.	

CRUDE DRUGS

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M. L. Barrett & Co.	H. R. Lathrop & Co.
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Hoffman-La Roche Chem. Wks.	

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Bowker Chemical Co.	822
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Calco Chemical Co.	772
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The Chatfield Mfg. Co.	764
Chicago Starch Co.	827
Antoine Chiris Co.	820
Church & Dwight	829
The Cleveland-Cliffs Iron Co.	815
The Cleveland Cooperage Co.	712
Consolidated Products Co.	822
Contact Process Co.	824
Charles Cooper & Co.	801
Darco Sales Corp.	752
Delphi Products, Inc.	818
Diamond Alkali Co.	812
J. E. Dockendorff & Co.	811
The Dow Chemical Co.	771
E. L. du Pont de Nemours & Co., Lithopone, Pigments & Heavy Chemical Div.	711
Intermediates Department	810
Dye, Drug & Chemical Co.	826
Dye Products & Chemical Co.	760
Eastman Kodak Co.	636
Electro Bleaching Gas Co.	805
Ellis Jackson & Co.	647
Essex Aniline Works	824
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E. Fougere & Co.	753
Fritzsche Bros.	821
Gary Chemical Co.	767
Geigy Company, Inc.	827
General Chemical Co.	773
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T. C. Hoelzer Co.	816
Hoffman-La Roche Chemical Works	803
Industrial Chem. Co.	814
Innis Speiden & Co.	808
International Salt Co.	632
Jordan Coal Tar Products Co.	767
A. Klipstein & Co.	710
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Pharma-Chemical Corp.	582
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Seaboard Chemical Co.	823
The Selden Co.	810
Semet-Solvay Co.	774
E. M. Sergeant Co.	760
Solvay Process Co.	813
Southern Dyestuffs Co.	751
Arthur Stallman & Co.	819
Superfos Co.	823
Thoroldsen-Mather Co.	818
Ungerer & Co.	820
U. S. Industrial Chemical Co.	830
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Victor Chemical Works	802
Victor & Hosken	823
The Warner Chemical Co.	805
Wilkes-Martin-Wilkes Co.	801
Will & Baumer Candle Co.	751
Wing & Evans	813
Isaac Winkler & Bro. Co.	828
Jacques Wolf & Co.	753
The Yakugo Shuho	690

**R&H
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SODIUM ACETATE
GLAUBER'S SALT

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Chemicals for Which
We Are Headquarters**

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Albone (25 volume Hydrogen Peroxide)
Alumina Sulphate, 17/18% Iron Free, Powd. Lump
Antimony Salts 65%
Bleaching Powder (Chloride of Lime)
Epsom Salts (Magnesium Sulphate)
Blue Stone (Copper Sulphate)
Glauber's Salt
Formic Acid 90%
Formaldehyde
Bichromate of Potash
Carbonate of Potash
Caustic Potash
Permanganate of Potash
Chlorate of Potash
Yellow Prussiate Potash
Caustic Soda
Sodium Acetate
Bisulphite of Soda
Sulphur
Sodium Sulphite—60% Conc. (Broken Pieces)
Sodium Sulphide Crystal 30/32%
Tri Sodium Phosphate
Sugar of Lead, Brown and White
Zinc Dust
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Nitrite of Soda
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So R&H make no apologies for their justifiable pride in a record of forty years of steady growth and improvement.

Each month we issue a partial list of the R&H products, showing price changes and commenting on special market features.

This list includes many of the chemicals used by the textile industry. It is used regularly by thousands as a guide in the purchase of materials.

We shall be glad to include the name of any one who will write us on his company's stationery.



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Diethyl Sulphate
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Ethylene Glycol
Ethylene Oxide
Glyco' Diacetate
Hexachlorethane
Isopropyl Chloride
Isopropanol
(Isopropyl Alcohol)
Paraldehyde
Propylene Chlorhydrin
Propylene Dichloride
Propylene Glycol
Propylene Oxide
Pentachlorethane
Perchlorethylene
Trichlorethylene

These chemicals were developed and are made by us. Consult our Research Department about them.

ETHYLENE GLYCOL

Preservative for non-intoxicating preparations

Reagent for manufacture of fine chemicals

Low freezing constituent for solutions

Non-fermentable moistening agent

Physiologically harmless and applicable in foodstuffs, medicinal compounds, cosmetics, perfumes and similar preparations

CARBIDE AND CARBON CHEMICALS CORPORATION

CARBIDE AND CARBON BUILDING, 30 EAST FORTY-SECOND STREET, NEW YORK
Telephone Vanderbilt 8700

HANS HINRICHS CHEMICAL CORPORATION

30 CLIFF STREET NEW YORK CITY

SPOT

SAL AMMONIAC
98/100% Prime White Granular
LITHOPONE
30% Red Seal



WM. S. GRAY & CO.

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(ALL FORMULAS)
METHANOL WOOD ALCOHOL
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